



Secret	
	25 X 1

Sub-Saharan Africa: Handbook of Selected Port and Air Facilities

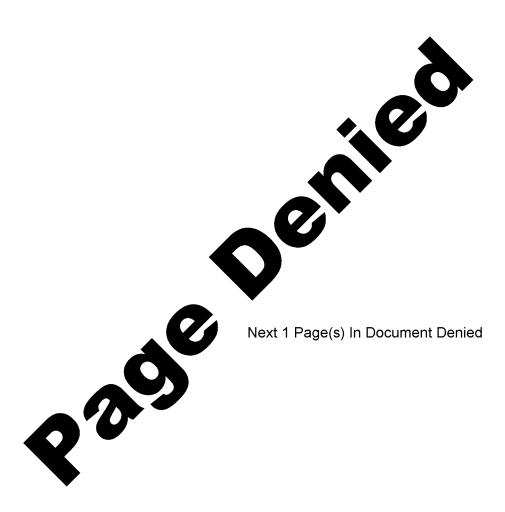
25X1

A Reference Aid

Secret

ALA 86-100**37** IA 86-10028 June 1986

Copy 33



Declassified in Part - San	itized Copy Approved for Release 20	11/12/28 : CIA-RDP881		
CONTRACTOR OF THE PARTY OF THE	Directorate of Intelligence		Secret	25X1
	Sub-Saharan Afri Handbook of Sele and Air Facilities			25X1
	A Reference Aid			

This paper was prepared by

the Office of

African and Latin American Analysis, and

with contributions from

the Office of Current Production and Analytic

Support.

Comments and queries are welcome and may be directed to the Chief, Africa Division, Office of

African and Latin American Analysis,

25X1

Secret
ALA 86-10025
1A 86-10028
June 1986



Declassified in Part - Sanitized Copy	Approved for Release 2011/12/28 : CIA-RDP88	T00768R000300360001-4 Secret
	Sub-Saharan Africa: Handbook of Selected Port and Air Facilities	
Summary Information available as of 1 May 1986 was used in this report.	The Soviet Union and the United States view accordacilities in Sub-Saharan Africa as important to the interests on the continent and to assist allies in time several years the two states have attempted both their own use and to deny access to the other. According facilities is not crucial to either power, however means of supporting deployments to the region.	he advancement of their ne of crisis. For the past o acquire facilities for east to African air and
	The Soviets rely primarily on the use of naval aux warships overseas. In addition, however, access to USSR to perform limited maintenance and repler for the crew that can extend the deployment time also have been able to expand the coverage of the sance and antisubmarine warfare aircraft because airfields, although such access has sometimes been	friendly ports allows the hishment tasks and rest of the forces. The Soviets ir maritime reconnaist of access to African
	At present the facilities that Moscow relies on har drawbacks, such as insufficient Soviet-controlled a storage capabilities, although the Soviets sometime for this by using indigenous facilities. In addition, vulnerable to insurgent attack and to the political	ammunition and fuel es attempt to compensate these facilities are
	The United States generally relies on shore-based multipurpose replenishment ships to support overs ment. The island base at Diego Garcia, for examp the Indian Ocean-Persian Gulf regions. The abilit improved considerably by having access to faciliti coast.	eas air and naval deploy- le, supports operations in ry to respond to a crisis is
	The United States has signed access or pre-position Kenya, Somalia, and Sudan in recent years. These ments with several West African governments, the overall ability of the United States to conduct air from Africa.	e complement arrange- ereby enhancing the
	iii	Sagrat

111

ALA 86-10025 1A 86-10028 June 1986 25X1

25X1

Secret		
	Looking ahead, we believe the Soviet Union will continue to press for	
	opportunities to expand access. The Soviets will probably concentrate on	
•	supporting their most important clients in Africa—Ethiopia and Angola—and might press for expanded access to facilities in these countries.	
	Moscow also is likely to press other Soviet arms clients—Guinea and	
	Mozambique, for example—for additional air and naval access.	

iv

eclassified in Part - Sanitized Co	v Approved for Release 2011/12/2	8 : CIA-RDP88T00768R000300360001-4
------------------------------------	----------------------------------	------------------------------------

Secret	

Contents

		Page
Summary		iii
Introduction		1
East African Ports and A	irfields	5
Sudan		5
	Overview	5
	Port Sudan	5
	Khartoum International Airfield	7
	Wadi Seidna Airfield	7
	Port Sudan Airfield	7
Ethiopia		13
	Overview	13
	Dahlak Island Naval Facility	14
	Aseb Port	15
	Massawa Port	15
	Yohannes IV Airfield	19
	Harar Meda (Debre Zeyit) Airbase	19
	Aba Tenna Dejazmatch Yilma (Dire Dawa) Airfield	19
	Bole International Airfield	19
Djibouti		25
	Overview	25
	Djibouti Port	25
	Djibouti/Ambouli Airfield	27
Somalia		29
	Overview	29
	Berbera Port	29
	Mogadishu Port	29
	Chisimayu Port	29
	Berbera Airfield	34
	Hargeysa International Airfield	34
	Mogadishu International Airport	34
Kenya		39
14189	Overview	39
	Mombasa Port	39
- April - Apri	Nanyuki Airfield	41
	Nairobi/Eastleigh Airfield	41

V

	Moi International Airfield	41
Southern African Ports and	l Airfields	47
Mozambique		47
	Overview	47
	Maputo Port	47
	Beira Port	47
	Nacala Port	48
	Maputo Airport	52
	Beira Airport	52
	Nacala Airport	53
South Africa		57
	Overview	57
	Indian Ocean Ports	57
	Richard's Bay	57
	Durban	57
	East London	57
	Port Elizabeth	57
	South Atlantic Ports	63
	Cape Town, Table Bay	63
	Simonstown Naval Base	63
	International Airports	67
	Jan Smuts Airport, Johannesburg	67
	D. F. Malan Airport, Cape Town	67
	Louis Botha, Durban	67
Namibia		71
	Overview	71
	Walvis Bay	71
	J. G. Strijdom Airfield	74
	Grootfontain Airfield	74
Angola		77
	Overview	77
	Namibe (Mocamedes) Port	77
	Luanda Port	78
	Luanda Airport	81
	Lubango Airfield	81
Zimbabwe		85
	Overview	85
	Harare Airport	85
	Thornhill Air Force Base	85

Secret		

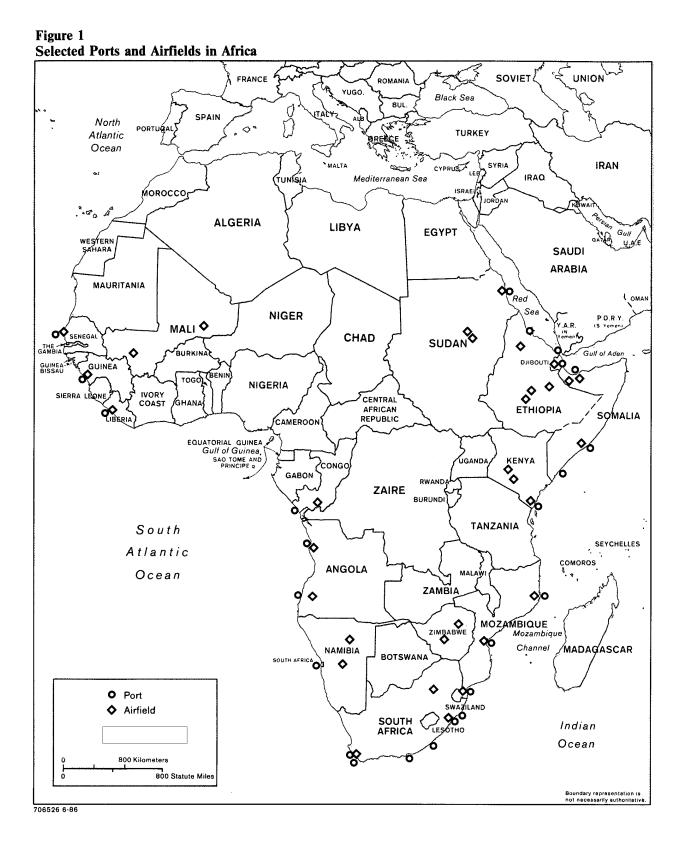
25X1

West African Ports and	Airfields	91
Senegal		91
	Overview	91
	Dakar Port	91
	Dakar-Yoff Airport	93
Guinea		95
	Overview	95
	Conakry	95
	Conakry Airport	97
Mali		99
	Overview	99
	Bamako-Senou Airport	99
	Gao Airfield	99
Liberia		103
	Overview	103
	Monrovia Port	103
	Roberts International Airport	105
Congo		109
	Overview	109
	Pointe-Noire Port	109
	Brazzaville-Maya Airport	112

vii

25X1

Secret



Secret

viii

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28 : CIA-RDP88T00768R000300360001-4

warships operating overseas, using naval auxilar—tankers, cargo ships, tenders, and repair ships—nerchant ships under naval contract. ording to military writings, the Soviet Navy, ever, sees benefits in being able to perform logistic port in friendly ports, in having a stopover point crew rest, and in having a local source for fresh er and perishable provisions. Observed behavior erscores this. Moscow often stations support and ice vessels where the Soviets have free and regularies. Our analysis of Soviet naval movements indies that, by performing pre- and post-transit upkeer mited mid-deployment maintenance at such facility, the Soviet Union can extend the deployment od for its forces. Indian Ocean Squadron submass serviced at the Soviet facility at Ethiopia's talak Island, for example, can remain on station
warships operating overseas, using naval auxilar-tankers, cargo ships, tenders, and repair ships—nerchant ships under naval contract. ording to military writings, the Soviet Navy, ever, sees benefits in being able to perform logistic port in friendly ports, in having a stopover point crew rest, and in having a local source for fresher and perishable provisions. Observed behavior erscores this. Moscow often stations support and ice vessels where the Soviets have free and regularies. Our analysis of Soviet naval movements indies that, by performing pre- and post-transit upkeen mited mid-deployment maintenance at such facility, the Soviet Union can extend the deployment od for its forces. Indian Ocean Squadron submass serviced at the Soviet facility at Ethiopia's
ertankers, cargo ships, tenders, and repair ships— herchant ships under naval contract. ording to military writings, the Soviet Navy, ever, sees benefits in being able to perform logistic port in friendly ports, in having a stopover point crew rest, and in having a local source for fresh er and perishable provisions. Observed behavior erscores this. Moscow often stations support and ice vessels where the Soviets have free and regular ess. Our analysis of Soviet naval movements indi- es that, by performing pre- and post-transit upkeer mited mid-deployment maintenance at such facil- es, the Soviet Union can extend the deployment od for its forces. Indian Ocean Squadron subma- s serviced at the Soviet facility at Ethiopia's
ording to military writings, the Soviet Navy, ever, sees benefits in being able to perform logistic port in friendly ports, in having a stopover point crew rest, and in having a local source for fresh er and perishable provisions. Observed behavior erscores this. Moscow often stations support and ice vessels where the Soviets have free and regularies. Our analysis of Soviet naval movements indicts that, by performing pre- and post-transit upkeen mited mid-deployment maintenance at such facility, the Soviet Union can extend the deployment od for its forces. Indian Ocean Squadron submass serviced at the Soviet facility at Ethiopia's
ever, sees benefits in being able to perform logistice port in friendly ports, in having a stopover point crew rest, and in having a local source for fresher and perishable provisions. Observed behavior erscores this. Moscow often stations support and ice vessels where the Soviets have free and regularies. Our analysis of Soviet naval movements indies that, by performing pre- and post-transit upkeen mited mid-deployment maintenance at such facility, the Soviet Union can extend the deployment od for its forces. Indian Ocean Squadron submass serviced at the Soviet facility at Ethiopia's
mited mid-deployment maintenance at such facil- t, the Soviet Union can extend the deployment od for its forces. Indian Ocean Squadron subma- s serviced at the Soviet facility at Ethiopia's
s serviced at the Soviet facility at Ethiopia's
Soviets have access to several regional airfields, tend to minimize their need for local support by ting aircraft regularly and by relying on transports from the Soviet Union that carry spare parts as as a small group of technicians on site to support iet reconnaissance aircraft. These aircraft, in our gment, make an important contribution to Soviet reillance efforts because of their ability to provide a practice information on the location of Western nava es operating nearby, cover large areas quickly, respond in a timely fashion. The small number or raft sent to each site, however, limits the Soviets' ity to carry out sustained flight operations.
host government. In addition, Soviet naval aircraft de be used for demonstrations to other governats of Soviet political support for the host governat.
the state of the s

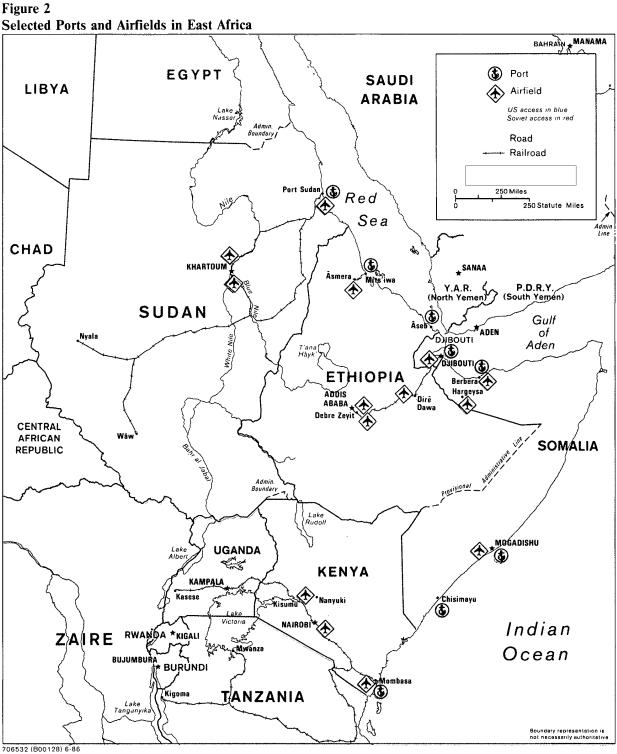
1

		<u></u>
		 <i>ب</i>
		ار سا
Most air and naval facilities that the Soviets have access to are not sophisticated. According to several	Sudan to support military operations and to enhance Western efforts to monitor Soviet air and naval	أنسيها
studies, these locations lack adequate repair and ammunition storage facilities and have insufficient	activity in the region. In addition, Djibouti allows US naval ships and aircraft to quietly use its facilities,	<u></u>
uel storage ashore to support Soviet air or naval units	although no formal agreement exists. Major construc-	ا ا
n high-intensity combat. The value of African facili- ies to Moscow is further tempered by their vulnera-	tion has improved facilities in Somalia and Kenya, and Mogadishu is a participant in the yearly "Bright	
oility to attack and the constant risk of eviction by the	Star" military exercises that take place in the region	C. 1
nost government or a sudden change of political power.	involving the United States and other friendly regional states.	25 <u>X</u> 1
In coming years the Soviet Union probably will	The US Navy also uses African ports for replenish-	اد . رو اد . رو
sttempt to augment the facilities it presently has in Sub-Saharan Africa. According to Embassy report-	ment and crew rest, especially in East Africa. The ability to refuel and replenish supplies from these	, -
ng, for example, Moscow has been trying for several	ports eases the burden on US logistic forces and	25 X 1
years—but without expending significant political, economic, or military resources—to secure additional	allows the United States to spend more time in the region. Moreover, staging naval reconnaissance flights	
ccess in Cape Verde and Ghana in West Africa to	out of locations such as Djibouti allows the United	' 7
liversify its basing options and to improve its capabili- y to monitor the southeastern maritime approaches to	States to monitor Soviet naval activity in the Red Sea-Indian Ocean region. In West Africa, Senegal	۱. ،
Europe.	allows US aircraft on an ad hoc basis to monitor	25X1
Use of Local Access by the West. Major Western	Soviet naval activity in the central Atlantic region.	25 V 1
avies, particularly the US Navy, continue to use		25 X 1
hore-based support for forward-deployed units. The Jnited States, for example, has bases in Europe,		
apan, the Philippines, and the Indian Ocean Archi-		
belago of Diego Garcia. The French Navy uses acilities at Djibouti to provide logistic and other		
upport for its Indian Ocean deployments. Western		, , , , , ,
navies also use large multipurpose replenishment ships o provide tactical logistic support while under way.		r 7
		25X1
Vestern concern over foreign base availability is		٠٦
explained in part by the logistic distances involved. For example, although Diego Garcia has been devel-		
oped into a support port for carrier battle groups and		י ר'
air operations, it is located more than 17,000 kilomeers from the United States. Subic Bay in the Philip-		لبي ،
oines is used for major repairs, but it is 12 steaming		′ ¬
lays away from the Arabian Peninsula-East Africa		25 X 1
		∠3∧1
Over the past few years, US access to African acilities has been on the rise. In the early 1980s, the		
Jnited States signed air and naval access or pre-		
positioning agreements with Kenya, Somalia, and		
		mained
		" 7
Secret	2	<u></u>

East Africa

25X1

Selected Ports and Airfields in East Africa



Reverse Blank 3 Secret



East African Ports and Airfields

Sudan

Overview

The military government that overthrew President Nimeiri last year held an election in April, fulfilling its pledge to return the country to civilian rule. We believe, however, that the civilian government led by Sadiq al-Mahdi will not be able to effectively address the economic, military, religious, and social problems besetting the country. In our opinion, the coalition of governing parties probably will suffer from factional infighting, poor leadership, and personal squabbles.

US Embassy and

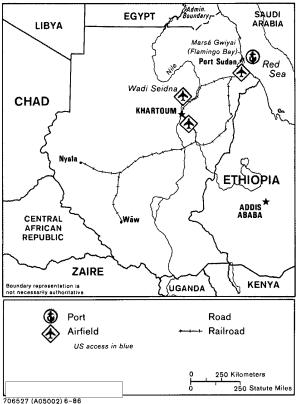
probably will be unable to end the Ethiopian-backed insurgency in southern Sudan. As a result, the insurgency is likely to continue draining the nation's economy, strain the military's unity and loyalty to the civilian regime, and force Khartoum to accelerate its effort to find new arms suppliers, such as the USSR and Libya.

We believe Khartoum's ties to Libya will increase as long as Tripoli continues to provide economic and military aid. Efforts will be made to keep Libyan subversive activity under control, but the weak Sudanese security system will be hard pressed to contain Tripoli if its access and influence in the military and government continues to increase.

For the near term, Sadiq is unlikely, in our opinion, to abrogate the 1983 agreement that gives the United States access and pre-positioning rights in Sudan, although the agreement will continue to be held in abeyance. Khartoum probably believes that formal termination of the agreement would adversely affect military and economic assistance from the United States.

Port Sudan is Sudan's only major port and handles over 90 percent of the country's trade. A Sudanese naval base is located at Marsa Gwiyai (Flamingo Bay), at the northern extremity of the city of Port

Figure 3
Selected Port and Airfields in Sudan



Sudan.

report, Port Sudan is a relatively well-operated facility that can handle US roll-on/roll-off (ro-ro), container, and fuel/ammunition ships. Marsa Gwiyai (Flamingo Bay), on the other hand, has serious shortcomings, such as its limited depth of 5 meters, total lack of security fencing, and extremely limited storage space.

Description. Port Sudan is a natural deepwater harbor formed by a narrow inlet in surrounding reefs. Entry to the port is rarely affected by bad weather,

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25**X**1

25X1

25X1

5

Secret	lease 2011/12/28 : CIA-RDP88T00768R00030036	
		25 X
		25 X 1
and the approach is free and clear. The entrance to	Thirty-four cranes of 5-metric-ton capacity are locat-	
the harbor is 278 meters wide. There are four anchorages within the harbor and a number of mooring	ed on the main quay. Three mobile cranes of 35- and 50-ton capacity and one of 75-ton capacity are also	
buoys. An additional anchorage is available approxi-	available.	
mately 10 kilometers south of the port that can accommodate 10 to 12 ships in about 70-meter depths	There is adequate covered and open storage available	
over good holding ground.	in the port area. Within the customs area, there are	
The main quay has 2,600 meters of berthing space	14 covered storage buildings with a total floorspace of 44,100 square meters. Open storage is virtually unlim-	
with depths of 8.5 to 10.6 meters alongside. There are	ited. The port has no drydock facilities, however, and	
three quays for special cargoes, containers, grain, and oil discharge, bringing total berthing length to 3,200	only minor repairs can be carried out.	
meters. The container facility consists of a 260-meter-	The port is cleared by both road and rail. Two paved	
long quay with two berths, one rail-mounted container crane, one contilever crane, and a lighted storage area	roads link the north port area to the airfield at Port Sudan and the Khartoum highway, both of which are	
with a capacity of approximately 700 twenty foot		
equipment units (20-foot container equivalent).		
Secret	6	

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28: CIA-RDP88T00768R000300360001-4 Secret 25X1 25X1 logistic and support facility but located on the south side of the city. One of the 25X1 highways passes through the city and is heavily congested; the other passes to the west of Port Sudan equipment is over 15 25X1 and joins the Khartoum highway 2 kilometers south years old and has deteriorated to the extent that the missile system is almost certainly ineffective. of the airfield. A single-line narrow-gauge railroad 25X1 connects the port with Khartoum and other large Khartoum International Airfield (15°35' N. 32°33' E., cities. The rail system has deteriorated in recent years 25X1 due to the lack of money for repairs and new equipment, a shortage of skilled staff, and competition from the highway system. In addition, delays due to speed Wadi Seidna Airfield (15°49' N. 32°30' E., restrictions are frequent. Patterns of Access. In March 1981, former President Port Sudan Airfield (19°34' N. 37°13' E., 25X1 Nimeiri offered the use of Sudanese military facilities to the United States, and in 1983 Khartoum signed an Khartoum International is the principal civil airfield and is capable of supporting sustained operations by agreement permitting the pre-positioning of US military equipment at Port Sudan. The agreement is in heavy transports. Wadi Seidna, located near the capital, is the headquarters of the Sudanese Air Force abeyance following the April 1985 coup, but has not and the most important military airfield in the counbeen abrogated by the new regime. 25X1 try. Port Sudan Airfield is strategically located on the Red Sea and near the naval port, but lacks adequate Activity. The tonnage handled by Port Sudan has risen from 3 million metric tons in 1974 to over 4 support facilities. 25X1 million in 1983, the last year for which information is **Description.** Khartoum Airfield is located on a level, available. Current and planned projects probably will semidesert area. It has natural and artificial drainage give the port a capacity of 5 million tons per year by 1990. Virtually all of Sudan's foreign trade passes and is surrounded by a low floodwall to protect it from the Nile River. Khartoum has a 3,000- by 46-meter through Port Sudan, with import volume exceeding asphalt runway, which was resurfaced in 1981, and is export volume by as much as 3 to 1. Petroleum able to handle aircraft up to and including the US C-5 products account for approximately half of import military transport. The airfield has a control tower, volume. 25X1 approach control, very high frequency omnidirectional range-distance measuring equipment (VOR-DME), Fuel Storage. Bunker fuel oil is available at tanker nondirectional beacon (NDB), and instrument landing berths and by tank barge at the main quay or system (ILS). Runway lighting is high intensity with anchorage. Port Sudan also is the location of the sodium threshold and edge lighting. Taxiways have country's only petroleum refinery, which has a capaciinstalled edge lights, and the parking aprons have ty of 26,000 barrels per day. 25X1 floodlights. A modest field-level maintenance capability exists for both commercial and military aircraft. Defenses. Sudan's naval base at Flamingo Bay, a part of the Port Sudan complex The Khartoum Airfield is serviced by a two-lane bitumi-25X1 patrol craft stationed there suffer from maintenance nous highway, and a railroad spur connects the deficiencies, and the facility would be unable to 25X1 airfield to the main rail trunk. provide much assistance in an emergency. The Suda-

by aircraft parking spaces.

Cargo handling at Khartoum Airfield is awkward and

inefficient. Virtually no covered storage is available,

although there are adequate open storage areas on

various aprons and clear areas adjacent to the runways. Military cargo handling capacity is constrained

25X1

nese Air Force occasionally deployed MIG-21s or

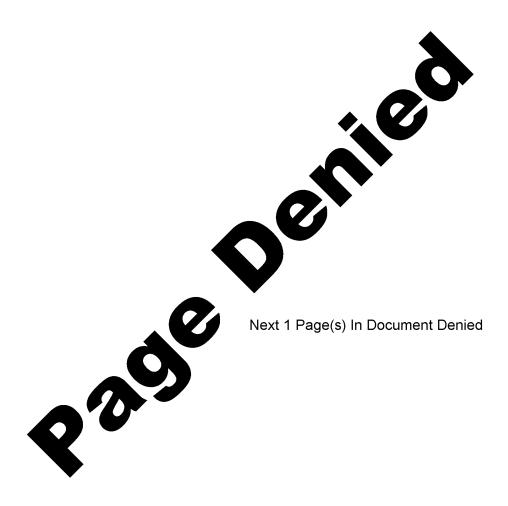
Chinese-made fighters to the airfield at Port Sudan,

but pilot proficiency and maintenance capabilities as

well as fuel shortages have precluded this in the past

year. Sudan's only SA-2 surface-to-air missile brigade

is located at Port Sudan. The brigade has a good



		25)
<u> </u>		
toum, is the primary base for the Sudanese Air Force. It has a 3,170- by 46-meter asphalt primary runway and is capable of handling C-5 transport aircraft. The general condition of the airfield pavement, however, is fair to poor. The control tower is operated by Sudanese Air Force personnel on an as-required basis. Runway and ramp visibility from the tower are poor. Wadi Seidna has no instrument flight rules (IFR) capability, radar approach control (RAPCON), ground-controlled approach (GCA), or standard instrument departure, although it does possess visual flight rules (VFR) and NDB capabilities.	Sudanese Air Force. Four underground storage bunkers are located approximately 3 kilometers from the runway. In addition, at least five open ordnance storage areas are available. Port Sudan is primarily a civilian airfield but is occasionally used by the Air Force. It was built by the British prior to World War II and became a major civilian airport in the mid-1970s. The airfield is located 3 kilometers south of the port and has a 2,000-by 30-meter asphalt runway that can handle US C-130 military transports. Drainage around the airport is poor, and the runway pavement condition is assessed as fair to good. The single taxiway is generally in fair to good condition.	
Maintenance facilities include seven permanent aircraft hangars with various SAF maintenance specialist shops located in each. Aircraft ground support equipment is primarily of Soviet or Chinese origin. Aerial port facilities and material handling equipment are virtually nonexistent at Wadi Seidna. There are	The control tower is operated by Sudanese civil aviation personnel on an as-required basis. Runway and ramp visibility are good. Port Sudan has very high frequency omnidirectional range (VOR), IFR, visual flight rules (VFR), and NDB but has no RAPCON, GCA, or ILS capabilities	2
craft hangars with various SAF maintenance specialist shops located in each. Aircraft ground support equipment is primarily of Soviet or Chinese origin. Aerial port facilities and material handling equipment	The control tower is operated by Sudanese civil aviation personnel on an as-required basis. Runway and ramp visibility are good. Port Sudan has very high frequency omnidirectional range (VOR), IFR, visual flight rules (VFR), and NDB but has no	2
craft hangars with various SAF maintenance specialist shops located in each. Aircraft ground support equipment is primarily of Soviet or Chinese origin. Aerial port facilities and material handling equipment are virtually nonexistent at Wadi Seidna. There are extensive open storage areas but no available covered	The control tower is operated by Sudanese civil aviation personnel on an as-required basis. Runway and ramp visibility are good. Port Sudan has very high frequency omnidirectional range (VOR), IFR, visual flight rules (VFR), and NDB but has no	2

Secret

The airfield is accessible by a two-lane bituminous highway from the city of Port Sudan. It is located 3 kilometers north of a main passenger and freight terminal, which is the origin of the Sudan National Railway. A single-track narrow-gauge line has several branches and routes to points in Sudan.		25X′ 25X′
There are no maintenance facilities at Port Sudan Airfield and ground support equipment is limited. No covered storage area exists, but extensive outside storage in close proximity to the parking ramp is available.	rated base security as marginal. Sudanese fighter aircraft and air defense forces would provide limited defense against air attacks.	25X1 25X1 25X1
Fuel Storage. Khartoum Airfield has a storage capacity of approximately 42 million barrels of jet A-1 fuel, although only a small portion of this is used at any time. The storage tanks are located 3 kilometers from the airport. Aircraft are refueled by tank trucks.	Port Sudan is defended by SA-2 surface-to-air missile batteries, although their effectiveness is probably limited because of age and poor maintenance. Sudanese Army and naval forces in the area of the airfield would provide limited defense against ground or naval attacks. Overall security at Port Sudan, however, is	25X1 25X ²
Petroleum, oil, and lubricants (POL) storage at Wadi Seidna consists of 1,400 barrels of A-1 jet fuel on base and 4,800 barrels located 5 kilometers from the facility. Aircraft refueling is done by tank truck.	probably marginal.	25X′
Port Sudan has a storage capacity of 450 barrels of A-1 jet fuel. The storage tanks are refilled by tanker truck from the refinery, which is located 5 kilometers from the airfield. Fuel is dispensed by tanker truck.		25X ²
Activity. Sudan Airways is the primary user of Khartoum Airfield. Boeing 737, Fokker F-27 aircraft, and civilian wide-body aircraft operate from the airfield. The Sudanese Ministry of Defense also bases helicopters, C-130s, and other transport here.		25 X
The Sudanese Air Force operates Soviet-built MIG- 21s, Chinese F-5s (MIG-17) and F-6s (MIG-19), and US F-5s from Wadi Seidna Airfield. Commercial jet aircraft have used the airfield on occasion.		25 X ′
Boeing 737 commercial jets, F-27s, and Sudanese Air Force C-130s routinely use Port Sudan Airfield and, on occasion, Sudanese fighter aircraft deploy to the airfield.		25X ²

Reverse Blank

11



Ethiopia

Overview

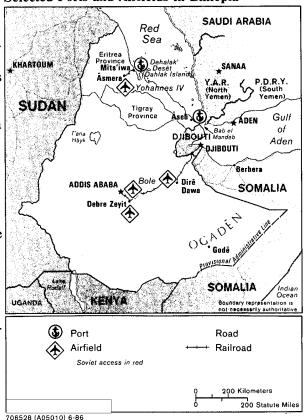
Ethiopia has been ruled since February 1977 by Mengistu Haile-Mariam, chairman of the ruling military council. He has moved the country along a Marxist-Leninist path and is one of the Soviet Union's firmest supporters in black Africa. Ethiopia established a Marxist-Leninist party in 1984, and Mengistu reportedly intends to proclaim the formation of a People's Republic in September 1986. The influence of the party has grown since its formation, according to the US Embassy, and political cadre are tasked to indoctrinate the population in the new ideology. The regime is using the famine and drought to force peasants onto collective farms in an effort to break their resistance to government control and to facilitate political indoctrination.

The Mengistu government faces two major insurgencies that it has been unable to suppress despite a commitment of vast numbers of men and material. The 25-year-old secessionist rebellion in Eritrea Province continues to drain the government's resources, according to US Embassy reporting. Although Addis Ababa has had some military success against the rebels over the past year, it has failed to score a decisive military victory or to disrupt rebel supply lines. Peace talks have taken place periodically between the two sides, according to the US Embassy, but we believe the prospects are poor for a political solution because neither side is willing to make political concessions.

Rebels in Tigray Province have been fighting since 1975 for autonomy or a greater share of power in the central government. The guerrillas have resisted several government military campaigns and remain in control of much of the provincial interior as well as Tigrean-inhabited portions of two adjoining provinces.

On the basis of US Embassy reporting, the Soviet Union has provided over \$3 billion in arms to Ethiopia since 1977, enabling the country to establish the largest (approximately 210,000 troops) and most sophisticated military establishment in black Africa.

Figure 8
Selected Ports and Airfields in Ethiopia



We estimate that Moscow has approximately 1,700 military advisers in Ethiopia; they are complimented by approximately 1,500 Cuban advisers and technicians and 2,000 Cuban troops stationed in Ethiopia's Ogaden region. The Soviet Union, in partial quid pro quo for its military aid, has been allowed to establish a small naval facility at Dahlak Island, off the Eritrean coast. In 1978, Ethiopia and the USSR signed a Treaty of Friendship and Cooperation.

The US Embassy reports that there is opposition within the Ethiopia military to Mengistu's close ties to Moscow, but we believe his senior military commanders realize that only the USSR is willing to provide the arms needed to maintain the country's integrity.

25X1

25X1

25**X**1

25X1

25X1

13

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28 : CIA-RDP88T00768R000300360001-4		
Secret		
	ر_	
	ר־)	
	<i></i>	
	25X1 ~	
		
	ب	
	س	
	hand	
	<i>(</i> \	
	_	
	r~~	
	h	
	25X1	
In addition, the regime, which has a pervasive security Description. The Dahlak Achipelago is located in the		
apparatus in both the military and civilian sectors, has moved ruthlessly against signs of dissent. We believe, islands are located 50 kilometers from the Ethiopian		
based upon these factors, that Moscow will continue to play a key role in Ethiopia for the near term at Saudi Arabia, and 600 kilometers from the Bab el	25X1	
least. Mandeb Strait.	25 X 1	
Dahlak Island Naval Facility (15°47′ N. 39°57′ E., While commonly referred to as the Dahlak Island	√ →	
Dehalak' Deset (Dahlak Island) is the only naval naval facility, the Soviet complex is actually located on Nokra Deset (Nokra Island), opposite Great Dah-	25 X 1	
support facility for Soviet ships in the Red Sea-Indian lak Island. It has clear sea approaches through a 10-	ب	
Ocean region and plays a useful role in support of soviet naval operations there. The facilities are mod-ty itself includes barracks to accommodate up to 200	, and	
est even though Moscow has made steady improve- ments since development began in April 1978. Mos- piers, two helipads, air defense artillery revetments,	\	
cow is the primary tenant on Dahlak Island, but security fences, and a power plant. Eight repaired	(\	
Ethiopian and South Yemeni naval vessels have limit-buildings and 13 or more new buildings serve as ed access to some of the facilities. The Dahlak Island	· · ·	
complex is vulnerable in the event of hostilities or		
heightened tensions.	25 X 1	
Secret 14		

Secret

storage and housing space. To complement the shore installation, the Soviets normally keep an 8,500-ton floating drydock, an oiler, at least one repair ship, and a submarine tender in the roadstead or docked at the floating pier. This combination of assets provides Moscow with limited maintenance and a light repair and resupply capability.	The Ethiopian Navy has a major base at the port of Massawa, and assets could be drawn from there and colocated Army units to augment the Soviet defenses if necessary. In addition, OSA-II missile attack boats and several patrol craft or frigates could also be used to defend Dahlak, if needed. Aseb Port (13°00′ N. 42°45′ E.,	25X1 25X1 25X1
Patterns of Access. The facility at Dahlak was origi-		
nally an Italian police post and later a British prison camp. The area was largely abandoned until April 1978 when the Soviets positioned the drydock in a channel next to the island. The drydock was transferred from the former Soviet facility at Berbera,	Massawa Port (15°37′ N. 39°28′ E. Aseb and Massawa are Ethiopia's only major ports. Aseb handles virtually all commercial traffic because of Massawa's decline due to age and extensive damage resulting from the Eritrean rebel siege of 1977.	25X1
Somalia, to South Yemen in late 1977 and was subsequently moved to Dahlak. A Soviet delegation visited Ethiopia prior to this move, apparently to conclude an agreement with the Ethiopian Govern-	Description. Aseb is Ethiopia's principal port and is located on the northwestern side of Aseb Bay at the	25X1
ment for use of the islands.	southern end of Ethiopia's Red Sea coastline. It has an estimated military port capacity of 4,100 tons per	25 X 1
Soviet naval use of Dahlak increased from 40 calls in 1978 to 75 in 1983, peaking at 101 in 1981. Combatants, such as guided-missile cruisers and nuclear-powered submarines, regularly visit there for logistic purposes and maintenance. In addition, the Soviets have used the complex to unload for maintenance mechanized combat vehicles belonging to naval infantry units deployed aboard amphibious warfare ships.	The approach to the port is free and clear and presents no difficulties. The improved, natural coastal harbor consists of a breakwater-protected inner harbor and a large outer harbor. Three deepwater channels with depths ranging from 10 to 16.5 meters lead into two entrances with depths of 11.6 meters. Tides	25X1
Fuel Storage. There are POL storage facilities for approximately 10,900 barrels of refined products. These products probably include diesel fuel for generators and vehicles as well as aviation fuel for Soviet	The primary anchorage is in Aseb Bay, where depths of 7.3 to 10.9 meters can be found 8 to 13 kilometers from the port. There is also a much smaller anchorage 2 kilometers from the port with depths of 16.4 to 18.3	25X1
helicopters that are used to ferry personnel and supplies from Massawa to Dahlak Island. POL products at Dahlak are probably also available to fuel Soviet vessels on a contingency basis. A yard oiler	Aseb has two general cargo moles, each with one cargo handling quay front with two berths and one	25X1
brings fuel to Dahlak from South Yemen. Defenses. To provide protection for the Dahlak facili-	deepwater POL berth. Total berthing length is 975 meters in depths of 5.6 to 19.9 meters. At the oil berth for Aseb refinery, located 2.4 kilometers south of the	25 X 1
ty, the Soviets have fenced off a large area that is guarded by a security unit of Soviet naval infantry numbering between 75 and 100 personnel. The unit has,	port, tankers secure to mooring buoys. There are nine covered storage buildings within the port with a total floorspace of 27,500 square meters. Twenty-seven additional buildings are just outside the	25X1 25X1
		25 X 1

15

assified in Part - Sanitized Copy Approved for Re - Secret	elease 2011/12/28 : CIA-RDP88T00768R000300360	0001-4
		25 X 1
		25
port area with a total floorspace of 16,000 square	Aseb has virtually no repair capability. The port is	
meters. Four additional storage buildings are under construction. Open storage area is very limited.	cleared by a two-lane all-weather highway that terminates in Addis Ababa, approximately 850 kilometers	2
The four general cargo berths are served by 18 East	away. There is no rail service.	25 25
German portal jib cranes, 14 with 3- to 6-ton and four		
with 10- to 20-ton capacities. The port also has three tugs and two mobile cranes (90 and 150 ton).		2

	Secret	
	2	25)
Massawa is located on the Ethiopian Red Sea coast in the war-torn province of Eritrea. It is approximately 115 kilometers from the provincial capital of Asmera and serves as the principal operating base of the small Ethiopian Navy. The port consists of two peninsulas	commercial quay, served by six portal jib cranes; three additional quays—one for lighters—and nine small piers (one with a cargo conveyor system). Total commercial berthing length is 900 meters. Containers are handled at the main quay and there are two Ro-	
plus the islands of T'walet and Massawa, which are connected to the mainland by causeways. The improved natural harbor is divided into three bays and an anchorage. In total, Massawa has five separate	Ro berths. Four naval piers and one naval quay are also present. Covered storage at Massawa is limited to 10 aging	
anchorages, three for cargo ships and two for naval vessels. Its military port capacity is estimated to be 4,500 metric tons per day.	sheds with a total floorspace of 18,000 square meters. Open storage is very limited in the immediate port area, but ample space is available on the mainland. Mechanical handling equipment at the port is limited	
The approach from the Red Sea through Mits'iwa Channel is free and clear. The entrance channel to the outer harbor lies between coral reefs and has a controlling depth of 10 meters. There is one main	to six old portal jib cranes of 5-ton capacity, five	
17	Secret	

		<u></u>
		~~
		<i></i>
mobile cranes of unknown capacity, and specialized container handling equipment. Three tugboats also are available.	Shipping activity at Massawa has declined substantially since the port area suffered heavy damage during the 1977 Eritrean siege. It is still the primary entry point for goods destined for Asmera and other	25X1
Massawa is cleared by a two-lane highway that connects the port to Asmera. At one time the port was also cleared by a narrow-gauge, single-track rail line to the interior of Eritrea. This line, however, has been inoperable since its destruction by Eritrean rebels in the mid-1970s. There are no shipyards or drydocks, but Massawa has good workshops and minor ship repair work is possible. Massawa has a 300-ton marine railway in the inner harbor for small craft repairs. Patterns of Access. Prior to 1978, Soviet combatants made infrequent calls to Ethiopian ports, generally in connection with the celebration of Ethiopian Navy	ruel Storage. Aseb has a storage capacity of approximately 665,000 barrels of refined products. In addition, the petroleum refinery located near the port can hold approximately 380,000 barrels of refined POL. New storage tanks now being built will add another 315,000 barrels to this total. Massawa is capable of storing approximately 314,000 barrels of refined products. Defenses. Aseb is well defended by Ethiopian Army units, including brigade-size elements. Over the years, Eritrean rebels have raided the port area and adjacent	25X1 25X1
Day. The Soviet sealift to Ethiopia during the 1977-78 Ogaden war resulted in a dramatic increase in Soviet port calls to both Aseb and Massawa. Soviet combatant calls to the ports have declined since late 1978, however, reaching a low of no port calls to Aset in 1981. US Embassy reporting indicates that Moscow has attempted to establish naval facilities at both Aseb	targets but have never inflicted serious damage to the facilities.	25X1 25X1 25X1 25X1
and Massawa since the late 1970s. The Soviets apparently sought extensive access to the port of Massawa and wanted to build another port near Aseb for their exclusive use, but Ethiopian Chairman Mengistu resisted Soviet pressure and turned down the requests.	A small number of Ethiopian naval patrol craft are based at Aseb. They provide a limited defense against naval combatants and infiltration along the Eritrean coast.	25X1
In practice, US naval combatants are denied access to both ports, although they are not officially banned by Addis Ababa. US commercial vessels have called at	Massawa is the headquarters of an Ethiopian Army division, and several thousand troops are stationed in the city or along the Massawa-Asmera highway. These Ethiopian forces possess armor and artillery, and a system of defensive fortifications has been	25X1
Aseb frequently in recent months to deliver famine relief material. Activity. Aseb handles virtually all of Ethiopia's	constructed to protect the land approaches to the city. There are no fixed surface-to-air missile sites near the port, but we believe Ethiopian troops have the SA-7 man-portable system.	25X1 25X1
trade. Principal exports are coffee, hides and skins, and bulk salt. General cargo, crude oil, and refined petroleum products are the port's main imports. Aseb also is the primary port of entry for military equipment destined for the Ethiopian military.	Addis Ababa has a major airbase at Asmera, approximately 115 kilometers away. MI-24 HIND attack helicopters, MIG-21s, and MIG-23 fighter bombers are stationed at Asmera and could respond to an attack on Massawa if necessary.	25X1 25X1
		_
Secret	18	(7
Secret	10	<u></u>

Massawa is also home for most men and ships in the Ethiopian Navy. The Ethiopian naval base is only 2.5 kilometers north of the civilian port facility. OSA-II missile boats, Petya-class frigates, swiftships, patrol craft, and various support vessels also provide for the defense of Massawa. During the Eritrean siege, Ethiopian naval craft provided fire support for the ground troops and also offloaded supplies at the port.	The main runway at Yohannes IV measures 3,000 by 45 meters with an asphalt surface. It is capable of handling C-130, C-141, and C-5 transport aircraft, although the latter two would have to operate at reduced loaded weight. The airport has eight asphalt parking aprons with a total area of 188,633 square meters.	25X1 25X1
Yohannes IV Airfield (15°17′ N. 38°54′ E.,	Yohannes IV has a control tower, approach control, very high frequency omnidirectional ranges tactical air (VORTAC), ILS, and Tactical Air Navigation	25X1
Harar Meda (Debre Zeyit) Airbase (08°42' N. 39°00' E.	(TACAN). Visual approach slope indicator lights are at the southwestern end of the runway. Approach lights extend from the southwestern end of the runway with lights also marking the thresholds and	25X1
Aba Tenna Dejazmatch Yilma (Dire Dawa) Airfield (09°37′ N. 41°51′ E.,	runway edge.	25X1 25X1
Bole International Airfield (08°58′ N. 38°48′ E., Several airfields in Ethiopia are capable of supporting	The civilian terminal area, located on the western edge of the airfield perimeter, consists of an asphalt terminal parking apron, an operations-terminal building, three hangars, two maintenance buildings, a	25 X 1
jet and transport aircraft operations. We believe the four airfields listed above, however, are the only ones	firehouse, and three support buildings.	25 X 1
that have the location and support facilities necessary for extensive flight operations. In fact, three of them—Yohannes IV, Harar Meda, and Bole—are used by the Soviet Union to support reconnaissance or	Yohannes IV is cleared by a two-lane bituminous highway. The airfield has an ammunition storage area that contains both buildings and bunkers. Yohannes IV has several hangars and maintenance shops. Am-	25 X 1
airlift operations.	ple storage facilities also exist.	25 X 1
Yohannes IV Airfield, located in Eritrea Province, is one of the most important facilities in Ethiopia. Harar Meda is a major Ethiopian military airfield and the headquarters for the Ethiopian Air Force. Aba Tenna Dejazmatch Yilma Airfield, located near Dire Dawa, is the major military airfield for the Ogaden region and also serves as a civilian airport. Bole, located outside of Addis Ababa, is the country's principal civil air facility.	Harar Meda Airbase—commonly called Debre Zeyit—is located approximately 5 kilometers from the town of Debre Zeyit. It is headquarters for the Ethiopian Air Force, a number of technical schools, aircraft and helicopter pilot training facilities, and rescue and transport operations. Debre Zeyit's 3,100-by 41-meter asphalt runway can handle C-130 and C-141 aircraft. It has six parking aprons with approximately 125,000 square kilometers of usable space.	25X1
Description. Yohannes IV Airfield, located approximately 3 kilometers south of Asmera, is used for both civilian and military operations. It is not only an international airport and port of entry for Ethiopia, but it is also the major military airfield supporting air operations in Eritrea and Tigray Provinces.	Debre Zeyit has a control tower, IFR/VFR capability, approach control radio beacon, direction finding (DF), and TACAN. The airfield is serviced by a two-lane bituminous highway that leads to Addis Ababa.	25X1 5X1
		25 X 1

		25 X 1
		2
		•
Aba Tenna Dejazmatch Yilma Airfield is a joint civilian-military facility located outside of the north-	The airfield has IFR/VFR capabilities, a control tower, NDB, and TACAN. It is cleared by a 9.1-	
ern Ogaden city of Dire Dawa, and it is usually called Dire Dawa Airfield. It was built in 1956, and substan-	meter wide all-weather road. A railroad siding east-	2
ial improvements were completed in 1980.	northeast of the airfield connects with the Addis Ababa-Djibouti rail line.	
Dire Dawa has a 2,705- by 45-meter concrete runway	Bole International Airport, the major civilian port for	
with five concrete parking aprons that provide approx- mately 50,000 square feet of space. The airfield can	Ethiopia, is located approximately 5 kilometers south	
ccommodate C-130, C-141, and C-5 transport opera-	of the capital of Addis Ababa. It has a 3,700- by 45-meter asphalt runway that can handle C-130, C-141,	
ions, although the C-5 can only operate at reduced veight.	and C-5 aircraft. There are two asphalt parking	2
		4
Secret	20	



		ب
		r)
		<u>ب</u>
aprons encompassing approximately 141,000 square	Debre Zeyit, an exclusively military facility, is the	
meters. The airport's over 2,300 meter-elevation, how- ever, hampers flight operations because of the need to	hub of Ethiopian Air Force activity. Almost all newly	_
enforce weight restrictions.	delivered aircraft are sent to Debre Zeyit for assembly and flight-testing. A variety of aircraft are moth-	25 X 1
Bole has seven hangars, and its workshops are able to	balled at the airfield, including US-made F-5 fighters. Ethiopian fighters are rotated from Debre Zeyit to	<u> </u>
do major repairs. It has an IFR/VFR capability,	operational fighter bases at Yohannes IV, Dire Dawa,	<u>_</u> J
control tower, approach control, NDB, VOR-DME, and ILS. Bole is cleared by a two-lane all-weather	and Gode—a jet-capable airfield in the southern Ogaden region.	25X1
road that leads to Addis Ababa. There is also a		20/(1
railroad spur at the POL area located near the north end of the field.	Debre Zeyit, along with Bole Airport, was one of the major termination points for the massive Soviet airlift	25X1
Fuel Storage. Yohannes IV has both JP-4 and A-1 jet	of arms to Ethiopia that began in November 1977.	20/(1
fuel. Total storage capacity at the airfield is 3,600		C
barrels that is dispensed by truck. Debre Zeyit has JP-4 jet fuel with a storage capacity of approximately		25 X 1
4,800 barrels. Fuel is dispensed by both truck and	Dire Dawa is used by both Ethiopian and Djiboutian	
hydrant. Dire Dawa Airfield has jet-B fuel with a storage capacity of approximately 1,600 barrels. The	airlines for regularly scheduled flights between the two countries. Dire Dawa is also the home base for	
fuel is dispersed by truck. Bole International has both	Ethiopian MIG-17, MIG-21, and MIG-23 fighter	′ 7.
A-1 and JP-4 jet fuel. Total fuel storage capacity at Bole is 9,500 barrels, with fuel being dispensed by	aircraft. From here, the Ethiopian Air Force can conduct operations in the northern and central	25 X 1
truck.	Ogaden and northern Somalia.	25X1
Activity. The Soviet Union deployed two IL-38 May maritime patrol and antisubmarine warfare aircraft to Yohannes IV from January 1980 until May 1984.	Bole International is a major civilian facility that is used extensively by Ethiopian Airlines and several other major carriers, such as Alitalia and Aeroflot.	-
	The Ethiopian Air Force uses it occasionally for transport flights but fighters are rarely noted at the	25X1
	airport. Soviet transport flights also utilize Bole on occasion. Military VIP flights almost always arrive	· ¬¬
	through this airfield.	25X1
	Defenses. Yohannes IV Airfield is defended by Ethio-	25 X 1
In May 1984, an Eritrean rebel sapper team raided	pian Army forces equipped with armor and artillery. The provincial capital of Asmera is headquarters for	<u> </u>
Yohannes IV Airfield and, in addition to other air-	the Ethiopian northern command as well as one	(.)
craft, destroyed one of the IL-38s and seriously damaged the other. The Soviet Union has not re-	Ethiopian division and several brigades.	25 X 1
placed them and will probably not station aircraft at the airfield until the security situation stabilizes.	Eritrean rebels have shown a capability to infiltrate	٠. ٦
the arried until the security situation stabilizes.	the airbase and destroy or damage aircraft despite a strong government presence. In addition, the facility	25 X 1
The Ethiopian Air Force has MIG-21 and MIG-23	is vulnerable to long-range artillery.	25 X 1
fighters based at Asmera to support military opera-		ز
tions in the north. MI-24 HIND attack helicopters are also deployed to Yohannes IV periodically. These		
aircraft are used extensively in ground support opera-		
tions against Eritrean and Tigrean insurgents.		25X1
Secret	22	·

(3	ssified in Part - Sanitized Copy Approved for Release 2	
, (Secret
_		
1.3		
<u>. </u>		
_		25*1
•		
_		
.==		
-		
-		
_		
r ¬		
-		
		25X
	Aircraft stationed at Yohannes IV can defend against an air threat, and Ethiopian pilots are believed to be very proficient in an air defense role. Ethiopian planes also can be used to support ground troops if the base came under assault. Debre Zeyit Airbase is defended by Ethiopian military personnel, who use stationary guard posts and roving patrols. The Ethiopian Army has an airborne training camp located near the base and could draw upon these forces if necessary. Aircraft stationed at Debre Zeyit could be used in an air defense role if needed. In addition, the Ethiopians have two SA-2 surface-to-air missile battalions stationed around the airfield. Dire Dawa Airfield is surrounded by several large Ethiopian Army camps located at Dire Dawa. The airfield itself is fenced and has both stationary and roving guards. It was successfully defended against two major Somali ground attacks during the Ogaden war. Aircraft based at the airfield can provide both	air defense and ground attack support if needed. In addition, one SA-3 surface-to-air missile battalion is available to defend against any air threat. Bole International is guarded by Ethiopian military and police personnel. Forces are stationed within the terminal itself while others roam the area. Air defense artillery units are stationed close to the airfield for security, and aircraft could be rapidly deployed to the capital from Debre Zeyit if necessary. 25X 25X 25X
_		
<u> </u>	23	Secret



Djibouti

Country Overview

Djibouti, independent from France since June 1977, has been relatively stable under pro-Western President Hassan Gouled. According to the US Embassy, French influence remains prevalent, and French advisers and contract employees are found throughout the military, government, and civilian sector. Paris still has approximately 4,500 military personnel stationed in Djibouti and is responsible for defending the country against outside aggression.

The US Embassy reports that Djibouti has little economic potential because of its arid climate and lack of natural resources. Approximately two-thirds of the country's estimated 300,000 population lives in the capital city of Djibouti; the remaining third are nomads. According to the IMF, over three-fourths of Djibouti's gross domestic product is derived from activity associated with the port, railway, airport, private banking system, and the French military and civilian presence. Revenue from these sectors has declined sharply in recent years, however, creating high unemployment and other serious economic problems for the government.

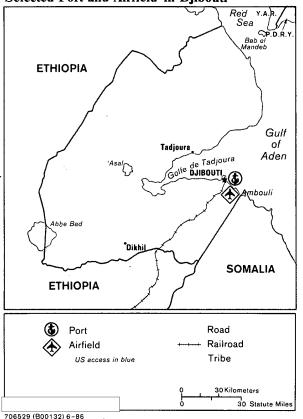
In addition to its economic woes, the Gouled regime faces simmering tribal tensions and public disillusionment with blatant official corruption. Gouled's failure to address economic and social problems is weakening public support, according to the US Embassy. Although the regime is not immediately threatened, these unresolved issues and the economic decline do not bode well for the country's stability.

Djibouti Port (11°36′ N. 43°08′ E.

Djibouti is the capital and major port for the Republic of Djibouti. The port area consists of a commercial section and naval facility. Ethiopia uses the port for a small portion of its international trade and as the terminus of the Addis Ababa-Djibouti railroad. France, the former colonial power, has a naval contingent based in Djibouti to coordinate maintenance for ships of the French Indian Ocean Fleet.

Description. Djibouti port is an artificial harbor built on coral reefs at the northeastern end of a small peninsula. The approach to the port is free and clear

Figure 16
Selected Port and Airfield in Djibouti



25**X**1

25X1

25X1

25X1

25X1

and well protected by the natural configuration of the peninsula and the surrounding coral reefs. The inner harbor is used for offloading all types of cargo as well as naval berthing. Pilotage, although not mandatory, is recommended, especially for naval ships. The outer harbor is used for bunkering as well as for anchorage. Large numbers of all classes of ships can anchor in the outer harbor and at the designated anchorage area in the Golfe de Tadjoura. Holding ground consists of mud and coral with depths ranging from 12 to 21 meters. Both the inner harbor and the entrance channel are dredged periodically to remove silt.

25X1

The port has approximately 20 covered storage buildings with a total floorspace in excess of 40,000 square meters. There are nine mobile cranes on the quay, and the port has two container cranes of 40-ton capacity plus a floating crane with a capacity of 70 tons.

25X1

25X1

25

Secret	or Release 2011/12/28 : CIA-RDP88T00768R000300360	-
		25.
		2
A single-track narrow-gauge rail line clears the p	port Patterns of Access. Prior to independence in 1977,	
of Djibouti; this is part of the approximately 800 kilometer Djibouti-Addis Ababa rail line. All th	Djibouti was the headquarters for the French Indian	
principal quays within the port are serviced by ra	ail. force had units stationed there. In the postindepen-	
Two bituminous-surfaced roads also clear the po with one leading to Djibouti/Ambouli Airport an	d the presence by concluding a military cooperation agree-	
other toward the Ethiopian border.	ment that committed Paris to defending the republic against outside aggression. As a result, approximately	2
Djibouti has a small shipyard capable of perform minor hull and engine repairs. There are three m	ning 4,500 French naval, air, and Army personnel are	
railways, the largest of which has a 500-ton capa and is 120 meters long. There are no drydock fac	acity at all times, and the French air force maintains a	25)
ties.	port and helicopters in the country.	2
Secret	26	

Secret

Description. Ambouli has a 3,140- by 45-meter asphalt runway with six asphalt parking aprons, the largest of which is 381 by 183 meters. The airfield has a control tower, approach control, NDB, VOR-DME, instrument landing system (ILS), and TACAN. Ambouli has five hangars, two of which belong to Air Djibouti and the third to Air France. The primary technical drawback of the airport is caused by the summer heat. The lower density of air at high temperatures makes takeoff more difficult and the permissible payload of wide-bodied aircraft has to be reduced. This problem is overcome to a large extent by scheduling takeoffs at night.	25X1 25X1
tanks approximately 5 kilometers from the airfield. Approximately 23,000 barrels of fuel are in above-	25 X 1
underground storage tanks. In addition, there is at least one underground storage tank.	25 X 1
Activity. France uses the airfield to support its Indian Ocean Fleet and to conduct periodic naval reconnaissance flights in the region. The French have 10 Mirage-III fighters, Noratlas transports, and several helicopters stationed at the airfield. Although the United States has no formal access agreement with Djibouti, the government approves on a regular basis Navy P-3 naval reconnaissance flights to and from Djibouti and permits regular supply	25X1 25X1 25X1
flights in support of naval operations in the area.	25X1
The Soviet Union has no military access to Ambouli, although civilian VIP flights occasionally transit the airport.	25 X 1
Defenses. The military section of Ambouli is separate from the civilian operating area and access is controlled. Security is provided by French and Djiboutian	25 X 1
military personnel.	25X1
25) X I
	phalt runway with six asphalt parking aprons, the largest of which is 381 by 183 meters. The airfield has a control tower, approach control, NDB, VOR-DME, instrument landing system (ILS), and TACAN. Ambouli has five hangars, two of which belong to Air Djibouti and the third to Air France. The primary technical drawback of the airport is caused by the summer heat. The lower density of air at high temperatures makes takeoff more difficult and the permissible payload of wide-bodied aircraft has to be reduced. This problem is overcome to a large extent by scheduling takeoffs at night. Fuel Storage. Jet A-1 fuel, which is dispersed by truck and hydrant systems, is received from storage tanks approximately 5 kilometers from the airfield. Approximately 23,000 barrels of fuel are in aboveground storage tanks. In addition, there is at least one underground storage tank. Activity. France uses the airfield to support its Indian Ocean Fleet and to conduct periodic naval reconnaissance flights in the region. The French have 10 Mirage-III fighters, Noratlas transports, and several helicopters stationed at the airfield. Although the United States has no formal access agreement with Djibouti, the government approves on a regular basis Navy P-3 naval reconnaissance flights to and from Djibouti and permits regular supply flights in support of naval operations in the area. The Soviet Union has no military access to Ambouli, although civilian VIP flights occasionally transit the airport. Defenses. The military section of Ambouli is separate from the civilian operating area and access is controlled. Security is provided by French and Djiboutian

27



Somalia

Overview

The government of President Siad is beset by a growing array of political, military, and economic problems that are slowly undermining stability, according to US Embassy reporting. Siad's once-broad tribal support base has narrowed to his Marehan clan and its tribal allies. His use of the Army to try to suppress tribal fighting and to enforce internal security has alienated large segments of the population and created fissures within the military.

At the same time, dissatisfaction is also increasing within the military over the growing inferiority of Somali forces to those of archrival Ethiopia. Many senior and midlevel officers are critical of the lack of Western military support and they have advised Siad to loosen his ties to the West, according to US Embassy and

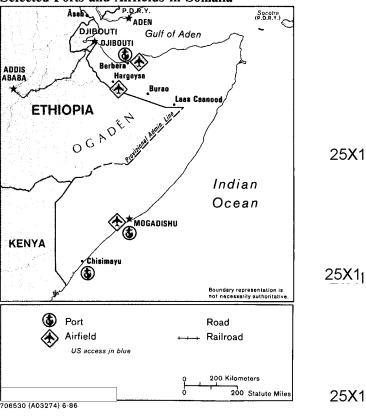
The country's economy continues to stagnate, and it has been unable to conclude an IMF agreement because of the paucity of foreign exchange. According to US Embassy reporting, Siad is under pressure from his cronies and other key advisers to revoke several economic reforms instituted last year. The President has been reluctant to do so, however, and has instead attempted to find alternative funds. Mogadishu's reestablishment of diplomatic relations with Libya last year, for example, was motivated, we believe, in part by expectations that Tripoli will pump money into the Somali economy.

The Siad regime faces an armed threat from two groups that receive economic and military support from Ethiopia.

the effectiveness of both groups, however, is hindered by their narrow tribal bases, although they are capable of conducting limited cross-border operations against isolated Somali military units.

In 1977, Siad abrogated the 1974 Soviet-Somali Treaty of Friendship and Cooperation, expelled all Soviet military personnel, and ended Moscow's access to Somali air and naval facilities. We believe Siad, in part, was retaliating for Moscow's support of Ethiopia during the Ogaden war. In August 1980, Siad signed

Figure 19 Selected Ports and Airfields in Somalia



an access agreement with the United States granting Washington use of ports and airfields at Mogadishu and Berbera. The United States has provided Somalia over \$60 million in arms assistance since 1981 in an effort to improve Mogadishu's defensive capabilities.

25X1 25A1 Berbera Port (10°26' N. 45°00' E., 25X1,X1

25X1

²25X1

Mogadishu Port (02°01′ N. 45°20′ E.,

Chisimavu Port (00°22′ S. 42°33′ E., 25X1 25X1

Somalia has three major deepwater ports—Berbera, Mogadishu, and Chisimayu. Berbera is strategically important because it overlooks the southern entrance

29

Dec	lassified in Part - Sanitized Copy Approved for Re	elease 2011/12/28 : CIA-RDP88T00768R0003003	60001-4
	Secret		
			<u></u> ,
			_
			نــن
			25 X 1
			د ۱۰
			ب
			٠٦
			, -1
			,
			
			, -1
		·	25X1
	to the Red Sea. Mogadishu is the country's most important commercial port and one of Africa's	commercially as an exporter of livestock and for the discharge of commercial goods for northern Somalia	
	newest, having been completed in 1978. Chisimayu is a small commercial port located 200 kilometers north	and military equipment for northern units. Berbera has an estimated military port capacity of 2,600 tons	. ~ 7
	of the Kenyan border that is not being used to its full	per day.	25X1
	potential.	The port has a small natural harbor approximately	25X1
	Description. Berbera Port is situated in a small natural harbor on the northern coast of Somalia and	2.5 kilometers long and 800 meters wide with depths of 9 to 18 meters. Approaches from the sea are deep	
	was completed in 1969 with considerable economic		r —
	assistance from the Soviet Union. The port functions		ا
			(-)
	Secret	30	<u>. </u>
			۲٦
			:

	Secret	
		25)
		•
		2
	The port is created by two hard barraded roads, one	25 X 1
	leading to the city of Hargeysa and the other to Burao and Laas Caanood. The port has no rail clearance.	
1		2
ships within the harbor.	Dankana kan na dandaala fa silikian kuk daan naasaa	
	Berbera has no drydock facilities but does possess a well-equipped workshop for minor repairs.	
There are two deepwater, general cargo berths, one naval berth, one POL berth, three lighter berths, and	well-equipped workshop for minor repairs.	
There are two deepwater, general cargo berths, one naval berth, one POL berth, three lighter berths, and a recently completed Ro-Ro ramp. The port has over	well-equipped workshop for minor repairs. The port of Mogadishu is located on Somalia's Indian	
There are two deepwater, general cargo berths, one naval berth, one POL berth, three lighter berths, and a recently completed Ro-Ro ramp. The port has over a kilometer of total berthing space suitable for general cargo in depths ranging from 1 to 9.1 meters. The	The port of Mogadishu is located on Somalia's Indian Ocean coast and consists of a manmade, breakwater-protected harbor—completed in 1978—with six deep-	
There are two deepwater, general cargo berths, one naval berth, one POL berth, three lighter berths, and a recently completed Ro-Ro ramp. The port has over a kilometer of total berthing space suitable for general cargo in depths ranging from 1 to 9.1 meters. The offshore terminal used for unloading crude oil is	well-equipped workshop for minor repairs. The port of Mogadishu is located on Somalia's Indian Ocean coast and consists of a manmade, breakwater-protected harbor—completed in 1978—with six deepwater alongside berths. The harbor is dredged to a	
There are two deepwater, general cargo berths, one naval berth, one POL berth, three lighter berths, and a recently completed Ro-Ro ramp. The port has over a kilometer of total berthing space suitable for general cargo in depths ranging from 1 to 9.1 meters. The offshore terminal used for unloading crude oil is located on the west side of the harbor. Berbera is serviced by three portal cranes, one floating crane,	The port of Mogadishu is located on Somalia's Indian Ocean coast and consists of a manmade, breakwater-protected harbor—completed in 1978—with six deepwater alongside berths. The harbor is dredged to a depth of 11 meters. The port used to be located 2 kilometers to the north where shallow depths necessi-	2
There are two deepwater, general cargo berths, one naval berth, one POL berth, three lighter berths, and a recently completed Ro-Ro ramp. The port has over a kilometer of total berthing space suitable for general cargo in depths ranging from 1 to 9.1 meters. The offshore terminal used for unloading crude oil is located on the west side of the harbor. Berbera is serviced by three portal cranes, one floating crane, and several tugs and lighters.	well-equipped workshop for minor repairs. The port of Mogadishu is located on Somalia's Indian Ocean coast and consists of a manmade, breakwater-protected harbor—completed in 1978—with six deepwater alongside berths. The harbor is dredged to a depth of 11 meters. The port used to be located 2 kilometers to the north where shallow depths necessitated the use of lighters for cargo operations. The old	2
There are two deepwater, general cargo berths, one naval berth, one POL berth, three lighter berths, and a recently completed Ro-Ro ramp. The port has over a kilometer of total berthing space suitable for general cargo in depths ranging from 1 to 9.1 meters. The offshore terminal used for unloading crude oil is located on the west side of the harbor. Berbera is serviced by three portal cranes, one floating crane, and several tugs and lighters. There are approximately 10 covered storage buildings	The port of Mogadishu is located on Somalia's Indian Ocean coast and consists of a manmade, breakwater-protected harbor—completed in 1978—with six deepwater alongside berths. The harbor is dredged to a depth of 11 meters. The port used to be located 2 kilometers to the north where shallow depths necessitated the use of lighters for cargo operations. The old harbor is no longer used as a maritime port. The estimated military port capacity of Mogadishu is	2
There are two deepwater, general cargo berths, one naval berth, one POL berth, three lighter berths, and a recently completed Ro-Ro ramp. The port has over a kilometer of total berthing space suitable for general cargo in depths ranging from 1 to 9.1 meters. The offshore terminal used for unloading crude oil is located on the west side of the harbor. Berbera is serviced by three portal cranes, one floating crane, and several tugs and lighters. There are approximately 10 covered storage buildings with a total floorspace of 11,100 square meters, and	The port of Mogadishu is located on Somalia's Indian Ocean coast and consists of a manmade, breakwater-protected harbor—completed in 1978—with six deepwater alongside berths. The harbor is dredged to a depth of 11 meters. The port used to be located 2 kilometers to the north where shallow depths necessitated the use of lighters for cargo operations. The old harbor is no longer used as a maritime port. The	2
There are two deepwater, general cargo berths, one naval berth, one POL berth, three lighter berths, and a recently completed Ro-Ro ramp. The port has over a kilometer of total berthing space suitable for general cargo in depths ranging from 1 to 9.1 meters. The offshore terminal used for unloading crude oil is located on the west side of the harbor. Berbera is serviced by three portal cranes, one floating crane, and several tugs and lighters. There are approximately 10 covered storage buildings	The port of Mogadishu is located on Somalia's Indian Ocean coast and consists of a manmade, breakwater-protected harbor—completed in 1978—with six deepwater alongside berths. The harbor is dredged to a depth of 11 meters. The port used to be located 2 kilometers to the north where shallow depths necessitated the use of lighters for cargo operations. The old harbor is no longer used as a maritime port. The estimated military port capacity of Mogadishu is 3,600 tons per day.	2 2
There are two deepwater, general cargo berths, one naval berth, one POL berth, three lighter berths, and a recently completed Ro-Ro ramp. The port has over a kilometer of total berthing space suitable for general cargo in depths ranging from 1 to 9.1 meters. The offshore terminal used for unloading crude oil is located on the west side of the harbor. Berbera is serviced by three portal cranes, one floating crane, and several tugs and lighters. There are approximately 10 covered storage buildings with a total floorspace of 11,100 square meters, and	The port of Mogadishu is located on Somalia's Indian Ocean coast and consists of a manmade, breakwater-protected harbor—completed in 1978—with six deepwater alongside berths. The harbor is dredged to a depth of 11 meters. The port used to be located 2 kilometers to the north where shallow depths necessitated the use of lighters for cargo operations. The old harbor is no longer used as a maritime port. The estimated military port capacity of Mogadishu is 3,600 tons per day.	25
There are two deepwater, general cargo berths, one naval berth, one POL berth, three lighter berths, and a recently completed Ro-Ro ramp. The port has over a kilometer of total berthing space suitable for general cargo in depths ranging from 1 to 9.1 meters. The offshore terminal used for unloading crude oil is located on the west side of the harbor. Berbera is serviced by three portal cranes, one floating crane, and several tugs and lighters. There are approximately 10 covered storage buildings with a total floorspace of 11,100 square meters, and	The port of Mogadishu is located on Somalia's Indian Ocean coast and consists of a manmade, breakwater-protected harbor—completed in 1978—with six deepwater alongside berths. The harbor is dredged to a depth of 11 meters. The port used to be located 2 kilometers to the north where shallow depths necessitated the use of lighters for cargo operations. The old harbor is no longer used as a maritime port. The estimated military port capacity of Mogadishu is 3,600 tons per day.	2.
There are two deepwater, general cargo berths, one naval berth, one POL berth, three lighter berths, and a recently completed Ro-Ro ramp. The port has over a kilometer of total berthing space suitable for general cargo in depths ranging from 1 to 9.1 meters. The offshore terminal used for unloading crude oil is located on the west side of the harbor. Berbera is serviced by three portal cranes, one floating crane, and several tugs and lighters. There are approximately 10 covered storage buildings with a total floorspace of 11,100 square meters, and	The port of Mogadishu is located on Somalia's Indian Ocean coast and consists of a manmade, breakwater-protected harbor—completed in 1978—with six deepwater alongside berths. The harbor is dredged to a depth of 11 meters. The port used to be located 2 kilometers to the north where shallow depths necessitated the use of lighters for cargo operations. The old harbor is no longer used as a maritime port. The estimated military port capacity of Mogadishu is 3,600 tons per day.	2

Secret		
		2
	·	
The approach to the port is free and clear. Extensive anchorage is available in the open roadstead just south of the port in depths of 9.1 to 18.3 meters. The	Mogadishu has no quayside or floating cranes. There are seven mobile cranes, the largest of which has a 50-ton capacity.	
bottom of the anchorage area is rock and sand, which normally provides good holding ground. Ships in the harbor are exposed from the southwest and are sub-	The port is cleared by three hard-surfaced roads, two leading to the interior and one leading to the southern	
ject to strong gale-force winds and heavy seas, especially during the May to August monsoon season. Holding becomes difficult and even large vessels have	port city of Chisimayu. Mogadishu has no rail clearance.	
been known to drag their anchor.	Chisimayu port is located on the Indian Ocean. Approach is free and clear, although movement in and	
Mogadishu port has three covered storage buildings with a total floorspace of 18,000 square meters. The old harbor has eight considerably smaller buildings	out of the port is restricted to daylight hours. Chisimayu has an estimated military port capacity of 2,500 tons per day.	
with a total floorspace of 13,000 square meters. Open storage space is more than sufficient at the port.		2
Secret	32	
Secret	32	

The port has a roadstead outer harbor and a breakwater-protected inner harbor with an entrance depth of 8.5 meters. Pilotage is compulsory. Although silting is a problem, little dredging has been done in recent years.	The Soviets appeared to be in the process of establishing several facilities for their use at Chisimayu prior to their expulsion, including a building possibly intended for servicing naval missiles. Little development has occurred at Chisimayu since 1977, although a new \$42 million port rehabilitation project, funded by	25X′
Extensive anchorage in depths of 10 meters over good holding ground is available southeast of the entrance	USAID and supervised by the US Navy, will begin later this year.	25 X ′
channel. Anchorage is also permitted within the harbor in depths of 8.5 meters. There are three covered storage buildings at Chisi-	Activity. The port of Berbera is primarily a commercial facility. Thousands of cattle, sheep, goats, and camels are shipped from the port to Egypt and other	25 X ′
mayu with a total floorspace of 8,200 square meters. Open stacking is limited to the L-shaped mole. The	consumers in the Middle East. Almost all imports through Berbera are intended only for northern	051/
port has six portal cranes for offloading and two berthing tugs. Lighterage can be performed with four 300-ton capacity pontoons. Chisimayu has a limited	Somalia. Mogadishu is a center for the export of bananas,	25X′
The port is cleared by a hard-surfaced two-lane road	sugarcane, charcoal, meats, tanned hides, and skins. Principal imports include machinery, cement, transport equipment, and consumer goods. Military equipment intended for the capital or units in central	25X ²
that leads to Mogadishu. There is no rail clearance.	Somalia enters through Mogadishu.	25 X ′
Patterns of Access. The Soviet Union built the port at Berbera and maintained a naval base there until expelled by Mogadishu in 1977. The port was part of	Chisimayu is used almost exclusively as a commercial port since none of the naval craft there are operational. Livestock, bananas, and sugarcane are the princi-	25X1
a larger military complex that included a major airfield, missile handling facility, and communica-	pal exports that pass through it. Because of its isolation, military deliveries occasionally are made to	25X1
tions complex. Soviet warships have not called at Berbera during the past eight years.	Chisimayu. Fuel Storage. With the completion of US construc-	25X ²
The United States, which signed a military access agreement with Somalia in 1980, recently completed a \$37.5 million project to improve both the port and airfield facilities at Berbera. The port construction included a deepening of the harbor, a ramp for Ro-Ro	tion projects, Berbera now has a storage capacity of approximately 135,000 barrels. A petroleum refinery with a capacity of 3.6 million barrels per year is located at Mogadishu, and the city also has storage facilities for 700,000 barrels of refined products. The	
vessels, a new causeway, new navigational aids, quay extension, and new lighting. Washington plans to preposition supplies in Berbera to support US Central	port of Chisimayu has a storage capacity of 230,000 barrels.	25X ²
Command operations in the region.	Defenses. Somali military units are stationed at all three ports. Berbera is a major Somali naval base,	25X ⁻
Berbera is used by other countries for commercial activity and some, such as Egypt and China, have made arms deliveries at the port. The Indian Navy made a port call in early 1985.	although maintenance and the lack of space parts have left its two Osa missile attack boats inoperable. The Somali Air Force occasionally stations MIG-19s and MIG-17s at the airfield, and the SA-2 surface-to-	25X′
Mogadishu was used by the Soviets for arms deliveries and occasional naval port calls. Several US Navy	air missiles employed at Berbera add to air defense	
vessels have visited the port since 1980.		25 X ′

Secret Secret	elease 2011/12/28 : CIA-RDP88T00768R000300360	- · ·
	•	
		25 X 1
		2
capabilities. Age, poor maintenance, and a shortage of	Berhera Airfield (10°23' N. 44°57' E.,	0574
space parts, however, significantly reduce the effectiveness of these systems.		25X1 25
Mogadishu is defended by several elite Army units	Hargeysa International Airfield (09°31′ N. 44°05′ E.,	25 X 1
stationed in or near its environs. In addition, SA-2		20/(1
and SA-3 missile systems provide air defense for the capital, and MIG aircraft can be deployed to	Mogadishu International Airport (02°00′ N. 45°18′ E.	25X1
Mogadishu Airfield.	There are several jet-capable airfields in Somalia but only Berbera, Hargeysa, and Mogadishu have the	2
Chisimayu has several Somali Army units stationed	location and facilities to support military operations in	
near the port to provide security against any ground threat. The port is also a major naval base, but none	the Red Sea-Indian Ocean region. Berbera Airfield	
of the craft stationed there is operational.		25
Secret	34	

has one of the longest runways in the area—necessitated by the extremely hot climate. The runway and some support facilities were completed by the Soviet	There is an aluminum hangar—used only by the Somali Air Force—located at the west end of the parking apron that is large enough to accommodate	
Union prior to its expulsion from Somalia in 1977. Hargeysa is a combined civilian-military airfield,	MIG-sized aircraft.	25 X 1
handling domestic as well as international flights. Mogadishu International is the country's principal	Hargeysa is a daytime-only airfield since it has no IFR capability. It has a VFR, control tower, and	
civilian airport, although the Somali Air Force uses it on occasion and performs some maintenance there.	NDB. is not operational because power in the city and at the	25X1
	airfield is turned off during daylight hours and no aircraft utilize Hargeysa at night. The Somali Air	25X1
Description. Berbera Airfield has a 4,115 by 46 meter	Force has at least one external power cart at the	
asphalt runway that has recently been resurfaced. It is capable of handling C-130, C-141, and C-5 transport	airport.	25 X 1
aircraft. Berbera has adequate POL and munitions storage facilities and is located near the port. The airfield is used occasionally by Somali Air Force MIG	Hargeysa is cleared by a two-lane all-weather road. There is an asphalt road to the city of Hargeysa, approximately 5 kilometers away, but it is in poor	
fighters, although no aircraft are permanently stationed there.	condition.	25X1 25X1
The tenings / realize some of the UC military some	Mogadishu International Airfield, does not meet international stan-	25X1 25X1
The taxiway/parking ramp at the US military ramp on the northeastern side of the runway has standard blue lighting. The runway itself has operational stan- dard lighting but it operates on request only. A four-	dards of safety or services. Many services taken for granted elsewhere—such as navigational aids, lighting, instrument approaches—are substandard or non-	25/1
wheel drive tow tractor capable of moving a C-141 is available but tow bars may be hard to obtain.	working. Various US-funded military construction projects are under way, however, to address several of these problems and should be completed by the end of	25 X 1
The airfield has VFR, NDB, ILS, TACAN, and a control tower, although the tower and NDB operate	October.	25 X 1
only on request or for scheduled flights	Mogadishu has a 3,150- by 45-meter asphalt runway and can handle C-130, C-141, and C-5 transport. It	25X1
Berbera is cleared by a two-lane all-weather highway	has six asphalt and concrete parking aprons that are too small to accommodate the C-5. An extensive	
to the interior and the port, although no rail facilities are available.	expansion of the parking apron on the Somali Air Force side of the airport is well under way. The	25 X 1
Hargeysa Airfield has a 2,280- by 46-meter asphalt runway, capable of handling C-130 and C-141 trans-	airfield is the headquarters of Somali Airline and has adequate maintenance and support facilities.	25X1
ports. There is a hard compacted dirt extension at the	Manadisha has an IED WED comphility control	
end of the main runway that also can be used by C-130 aircraft. The C-141, however, can only operate	Mogadishu has an IFR, VFR capability, control tower, approach control, VOR/DME, NDB, and	
at reduced weight. Hargeysa has one of the best	GCA radar, but these services are poorly manned or	
runways in Somalia—despite lacking an operational center line, runway edge, taxiway, or apron lights—	maintained. The control tower, for example, is rarely used because it has very limited control equipment.	
and is a major military airbase for MIG-17s, MIG-19s, and Somali Air Force transport aircraft.	· ·	25X1



}		ied in Part - Sanitized Copy Approved for Release 2	Secret	
3				25 X 1
	٠			25X
		Aircraft are directed in from the flight information center—which has no windows—located in the terminal. A contract has been awarded to replace the runway and taxiway lights, and to install a precision approach path indicator (PAPI) landing system.	Somalia suffers from a chronic shortage of fuel for air operations, however, and its Air Force is frequently down. We doubt that the airfields could support sustained air operations without some arrangements being made for the provision of additional fuel.	25X1
		Mogadishu Airfield is cleared by an all-weather road	Activity. Berbera was built by the Soviet Union and	25X
		that leads to the capital. It is in generally poor shape and suffers from a lack of maintenance.	was intended primarily to support IL-38 and TU-95 naval reconnaissance missions over the Indian Ocean. The Soviet military presence in Somalia was termi-	25X
		Fuel Storage. Berbera Airfield has a storage capacity of approximately 3,800 barrels of A-1 jet fuel. Two 25,000-barrel tanks are located at the airport itself.	nated, however, before Moscow could use the airfield.	25X
		Fuel is dispersed by truck and a recently completed dual hydrant system. Fuel capacity at Hargeysa is estimated to be 1,090 barrels of A-1 jet fuel with refueling conducted primarily by truck. Mogadishu airport has approximately 1,140 barrels of A-1 jet fuel storage capacity. Refueling is done by tanker truck.	The United States agreed to rehabilitate Berbera in return for Somalia's granting access rights to air and naval facilities. At the airfield, the project included	
				25X
		. 37	Secret	

Dec	lassified in Part - Sanitized Copy Approved for Rel	ease 2011/12/28 : CIA-RDP88T00768R000300360001-4	
	Secret		,
			<i>ب</i>
			۲٦
			<i>ك</i>
			т. п
	resurfacing the runway, installing lighting, and upgrading various other services. Berbera is used by the		
	United States to support yearly Bright Star exercise operations.		0574
	operations.		25 X 1
	Hargeysa was used frequently by the Soviet Union for		٠١
	IL-38 naval reconnaissance flights over the Indian Ocean. It is now occasionally used by US Navy P-3		, ,
	naval reconnaissance aircraft.		25 X 1
	Mogadishu has a relatively light load of commercial		Γ
	air traffic, often only two flights a day, and it rarely		سي
	handles night traffic. Somali Air Force aircraft are		
	occasionally flown to Mogadishu for maintenance and training purposes.		25X1
	training purposes.		23/
	The United States uses the airfield for Embassy		rп
	support flights or other special missions. Like Berbera, it is also utilized during the Bright Star		اسما
	exercises.		25X1
	Defenses. Berbera is defended by several Somali		K *1
	Army units stationed in the vicinity. The Berbera area		+ =7
	has an SA-2 surface-to-air missile system as well as		• •
	air defense guns. The SAMs are of questionable value because of maintenance problems and age, although		
	the battery did launch a missile at a misidentified US		
	Navy fighter in 1983. Security at the airfield is		·
	sufficient to deter any large attack but Somali forces would have difficulty preventing small unit infiltra-		
	tion. Berbera Airfield was bombed by Ethiopia on one		
	occasion during the 1977-78 Ogaden war.		25 X 1
	Hargeysa is also located in close proximity to Somali		·
	Army and Air Force units. It is defended by an SA-2 SAM battalion, which probably has a low operational		
	capability. Army units are sufficient to defend the		
	base against large-scale attacks but would have diffi-		•
	culty deterring small groups of infiltrators. Somali Air Force MIGs stationed at the base could provide		
	limited ground support assistance but would be unable		,
	to defend against an air attack because of low pilot proficiency, poor communications, and inadequate		
	warning time.		25X1
			. ,
			רח
	Secret	38	\leftarrow

Kenya

Overview

We believe, on the basis of US Embassy reporting, that the primary internal threat to President Moi's moderate, pro-Western government comes from tribal rivalries that are fueled by growing economic and social problems. Tribal discontent played a key role in an unsuccessful coup attempt by disaffected Air Force elements in August 1982.

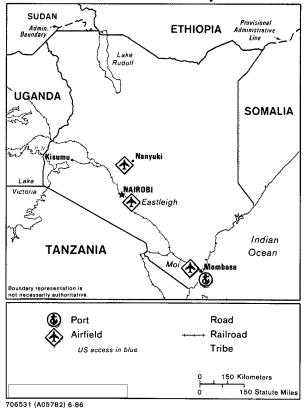
Reporting from the US Embassy indicates that the country's economy has been declining in recent years as a result of decreased foreign investment, inflation. oil imports, and rapid population growth. Agricultural production has also been more difficult because of poor weather, the reduced availability of fertile farm land because of overpopulation, and poor soil conservation practices. Rural problems have generated a flight of unskilled workers from the countryside to the cities, creating social strains and demands for improved services.

Moi has reacted to internal dissent by building a political coalition of western minority tribes, increasing his personal power, and becoming more repressive. The US Embassy states that these actions have eroded his support among major tribal groups such as the Kikuyu and Luo. The President has managed, however, to keep his opponents divided and has taken measures to ensure the loyalty of the Army, weakening any serious threat to his regime at this time.

Kenya has maintained close ties to the West, particularly Great Britain and the United States, since achieving independence in 1963. Nairobi participates in limited and unpublicized military exercises with the United Kingdom and United States, and the British have a small advisory team in Kenya. The United States and Kenya signed an access agreement in June 1980, which allows Washington to use Kenyan port and air facilities to support operations in the Indian Ocean-Persian Gulf region. The agreement was renewed for an additional five years in June 1985.

Mombasa Port (04°02′ S. 39°38′ E., Mombasa is the largest and probably the bestequipped port on Africa's east coast. Located on

Figure 26 Selected Port and Airfields in Kenya



Kenya's Indian Ocean coast, Mombasa is the country's only deepwater port, terminus of Kenya Railway's main line, and the primary import-export center for landlocked Uganda and Rwanda.

Description. The approach to the port is well protected and consists of two main inlets separated by Mombasa Island. The port is virtually free of silting, and the entrance to the south channel has been dredged to a depth of 14 meters. There are 17 deepwater alongside berths at Mombasa's Kilindini Harbor, three of which are used for container and Ro-Ro ships. In addition, there are two coaster alongside berths, 17 lighter berths, two POL berths, and two Navy berths. There are also eight mooring berths in the harbor for lighter operations. 25X1

25X1

25X1

25X1

25X1

25X1

25X1



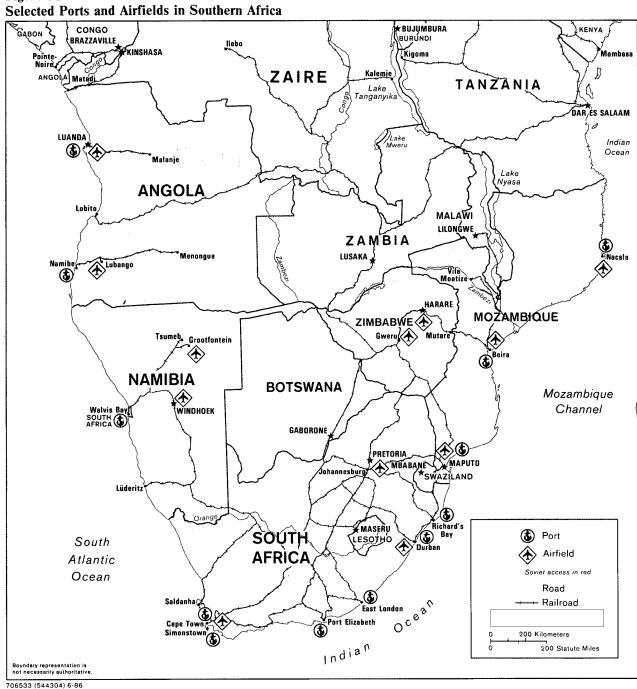
Mombasa has more than 30 covered storage buildings with a total floorspace of more than 200,000 square meters. Open storage, however, is limited to 42,000 square meters.	cement, soda ash, fluorspan, agricultural and forest products, and refined petroleum products. Total cargo moved in 1980, the last date for which information is available, amounted to 7.4 million metric tons, 73 percent of which were imports.	25X′ 25X′
The deepwater berths at the port are served by 72 quayside portal jib cranes, three of which have a 40-ton capacity, and the remainder have capacities ranging from 2 to 7 tons. In addition, there are approximately 18 mobile cranes with capacities from 11 to 32 tons, three 40-ton container cranes, and one 60-ton floating crane.	Fuel Storage. There are 2.2 million barrels of crude and 4.7 million barrels of refined storage available, with the greater portion of this stored at the Mombasa refinery. Fuel oil and diesel bunkering oil is available at most deepwater quays and at two tanker berths. Fuel is also furnished by four bunkering barges, with a capacity of 1,100 barrels each. Hose sizes on each	25 X ′
Mombasa is cleared by one single-track, 1-meter-gauge rail line to Nairobi that eventually links up to	barge are 38.4 and 63.8 mm.	25X′
the Ugandan and Tanzanian systems. It is also cleared by three all-weather highways that lead to the interior of Kenya.	Defenses. There are no known military defenses around the port area. Mobassa Airfield, however, is 10 kilometers west of the port and has military forces available. Some security for the port area is provided	25 X ′
Maintenance facilities are available, including a well- equipped 20,000-ton drydock, the largest on the East	by Kenyan police forces, however.	25 X ′
African coast. In addition, there are five marine railways capable of medium-hull and engine repair to vessels up to 2,500 tons.	Nanyuki Airfield (00°01′ N. 37°01′ E.,	25X1 25X1
	Nairobi/Eastleigh Airfield (01°16′ N. 36°51′ E.,	
Patterns of Access. In 1980, Kenya signed an agree-		25 X 1
ment with Washington permitting, among other things, US Naval access to Mombasa and the prepositioning of material intended to support Indian	Moi International Airfield (04°01′ S. 39°35′ E.,	25X1 25X1
ment with Washington permitting, among other things, US Naval access to Mombasa and the pre-	Nanyuki Airfield is an important fighter base where F-5s, BAC Strikemasters, and Hawk aircraft are deployed. Eastleigh Airfield houses the Air Force's transport, air support, and helicopter squadrons. It is also the location of the Kenyan Air Force headquar-	25X1
ment with Washington permitting, among other things, US Naval access to Mombasa and the prepositioning of material intended to support Indian Ocean operations. The US Navy uses the port for rest and recreation and to replenish its ships. The United Kingdom also has an agreement with Kenya granting British Naval access rights. Both countries have conducted limited naval exercises with the Kenyan Navy.	Nanyuki Airfield is an important fighter base where F-5s, BAC Strikemasters, and Hawk aircraft are deployed. Eastleigh Airfield houses the Air Force's transport, air support, and helicopter squadrons. It is also the location of the Kenyan Air Force headquarters, supply and maintenance facilities, and the basic training wing. Moi International Airfield is a civilian	25X1 25X1
ment with Washington permitting, among other things, US Naval access to Mombasa and the prepositioning of material intended to support Indian Ocean operations. The US Navy uses the port for rest and recreation and to replenish its ships. The United Kingdom also has an agreement with Kenya granting British Naval access rights. Both countries have conducted limited naval exercises with the Kenyan Navy. Soviet Naval units have not visited Mombasa for over 10 years. Approximately 45 Soviet commercial ships	Nanyuki Airfield is an important fighter base where F-5s, BAC Strikemasters, and Hawk aircraft are deployed. Eastleigh Airfield houses the Air Force's transport, air support, and helicopter squadrons. It is also the location of the Kenyan Air Force headquarters, supply and maintenance facilities, and the basic training wing. Moi International Airfield is a civilian facility that services the port of Mombasa.	25X1
ment with Washington permitting, among other things, US Naval access to Mombasa and the prepositioning of material intended to support Indian Ocean operations. The US Navy uses the port for rest and recreation and to replenish its ships. The United Kingdom also has an agreement with Kenya granting British Naval access rights. Both countries have conducted limited naval exercises with the Kenyan Navy. Soviet Naval units have not visited Mombasa for over	Nanyuki Airfield is an important fighter base where F-5s, BAC Strikemasters, and Hawk aircraft are deployed. Eastleigh Airfield houses the Air Force's transport, air support, and helicopter squadrons. It is also the location of the Kenyan Air Force headquarters, supply and maintenance facilities, and the basic training wing. Moi International Airfield is a civilian facility that services the port of Mombasa. Description. Nanyuki Airfield is capable of handling C-131 aircraft. It has a 4,023 by 30-meter asphalt	25X1 25X1
ment with Washington permitting, among other things, US Naval access to Mombasa and the prepositioning of material intended to support Indian Ocean operations. The US Navy uses the port for rest and recreation and to replenish its ships. The United Kingdom also has an agreement with Kenya granting British Naval access rights. Both countries have conducted limited naval exercises with the Kenyan Navy. Soviet Naval units have not visited Mombasa for over 10 years. Approximately 45 Soviet commercial ships call at the port each year, however, and Soviet trawler	Nanyuki Airfield is an important fighter base where F-5s, BAC Strikemasters, and Hawk aircraft are deployed. Eastleigh Airfield houses the Air Force's transport, air support, and helicopter squadrons. It is also the location of the Kenyan Air Force headquarters, supply and maintenance facilities, and the basic training wing. Moi International Airfield is a civilian facility that services the port of Mombasa. Description. Nanyuki Airfield is capable of handling	25X1 25X1 25X1 25X1
ment with Washington permitting, among other things, US Naval access to Mombasa and the prepositioning of material intended to support Indian Ocean operations. The US Navy uses the port for rest and recreation and to replenish its ships. The United Kingdom also has an agreement with Kenya granting British Naval access rights. Both countries have conducted limited naval exercises with the Kenyan Navy. Soviet Naval units have not visited Mombasa for over 10 years. Approximately 45 Soviet commercial ships call at the port each year, however, and Soviet trawler visits usually coincide with US Navy port visits. Activity. Mombasa has a military port capacity of 15,100 metric tons. It is the headquarters and operat-	Nanyuki Airfield is an important fighter base where F-5s, BAC Strikemasters, and Hawk aircraft are deployed. Eastleigh Airfield houses the Air Force's transport, air support, and helicopter squadrons. It is also the location of the Kenyan Air Force headquarters, supply and maintenance facilities, and the basic training wing. Moi International Airfield is a civilian facility that services the port of Mombasa. Description. Nanyuki Airfield is capable of handling C-131 aircraft. It has a 4,023 by 30-meter asphalt runway and several small parking aprons. It has a control tower and IFR, VFR, ASR, ILS, and NDB capabilities. Nanyuki is serviced by a two-lane bitu-	25X1 25X ² 25X ²



	Secret
Eastleigh has a primary asphalt runway of 2,438 by 46 meters and is capable of handling C-130 aircraft. The airfield has a control tower, IFR, VFR, NDB approach control, and radar capabilities. It is serviced by an all-weather highway to Nairobi and a single-track rail line located 1 mile north of the airfield. Moi International has a primary asphalt runway of 3,350 by 45 meters and can handle C-5 transports. It possesses a control tower, IFR, VFR, VOR, NDB, radar, and ILS capabilities. Clearance is excellent with an all-weather road to Mombasa, a rail line 3 kilometers north of the airfield, and the port situated approximately 10 kilometers to the east.	25X1 Fuel Storage. Nanyuki has a storage capacity of about 645 barrels of A-1 jet fuel. Both hydrants and tanker trucks are used for disbursement. Eastleigh has a 1,965-barrel A-1 jet fuel storage capacity, and fuel is dispersed by hydrant. Moi International has a total capacity for all fuels, including A-1 jet fuel, of 7,145 barrels. Both hydrants and tanker trucks are used to transfer fuel.
43	Secret

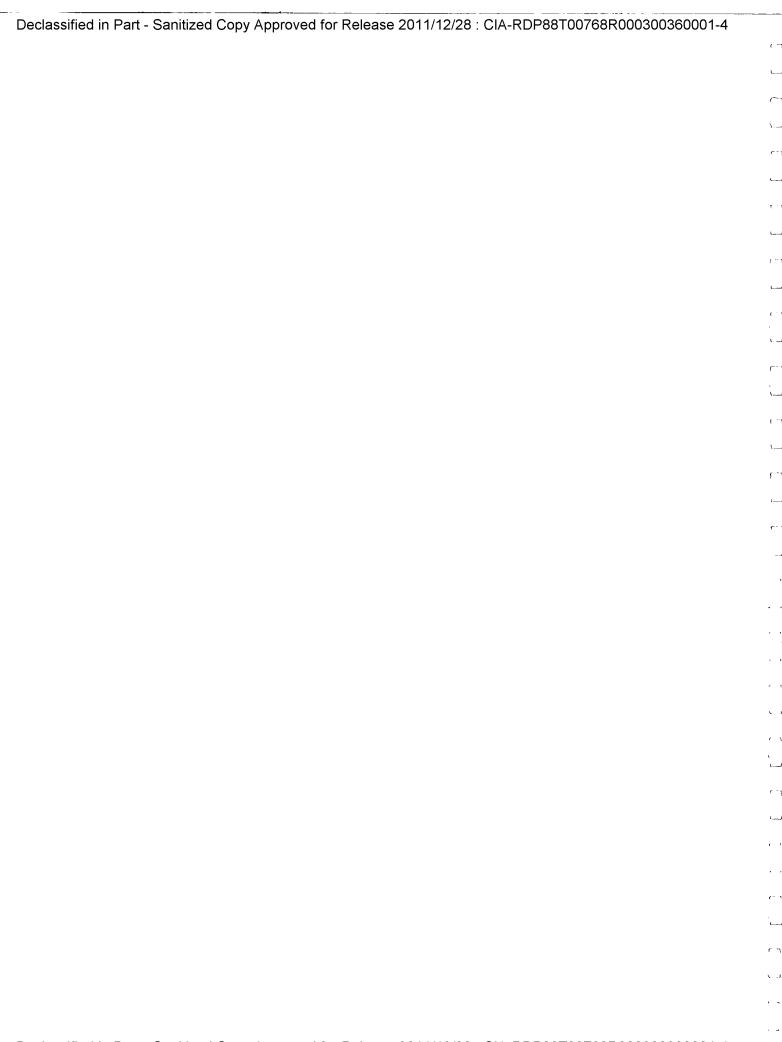
	cret		
			25X
	efenses. Nanyuki and Eastleigh are major airbases otected by Kenyan Army units that are located in	is protected by approximately 40 Kenyan police offi- cers. In addition, elite paramilitary police comman-	
	oximity to both airfields. Moi International Airfield	dos, as well as Army forces, are located at a nearby base.	
e.	and the same of th	44	
Se	cret	44	

Figure 31



25X1

45 Reverse Blank Secret



Southern African Ports and Airfields

Mozambique

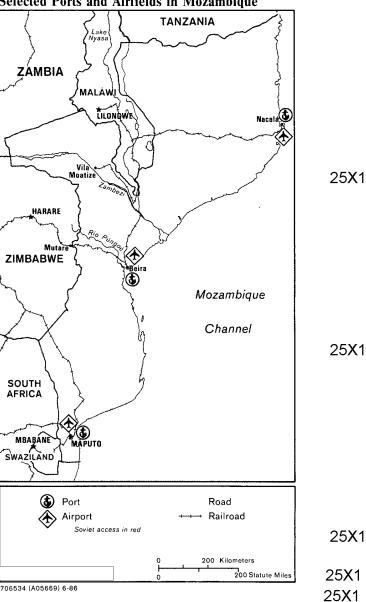
Overview

After 11 years of independence, President Machel's self-proclaimed Marxist regime is struggling to survive the combined effects of a countrywide insurgency, faltering economy, and recurrent drought. Machel enjoys a strong power base in the military and party and remains the most popular political figure in the country. Although he has turned to the West for economic aid, Mozambique remains militarily dependent on the Soviet Bloc. Since 1975 the USSR and its allies have provided approximately \$1 billion in military aid to Maputo and currently keep about 800 military advisers and technicians in Mozambique.

Antigovernment guerrillas—the Mozambique National Resistance (RENAMO) numbering about 15,000—expanded their activity to all the provinces of Mozambique in 1984. The insurgents, who describe themselves as pro-Western, are basically an anti-Machel movement with an undeveloped program for reform. Negotiations between the government and the insurgents broke down in late 1984, and both sides appear to have opted for a military solution to the war.

Mozambique's once relatively prosperous economy now is characterized by almost continuous decline, with GDP falling by 20 percent in 1985. Government efforts at collectivization and nationalization from 1975 to 1983 and insurgent attacks on farms and transport facilities have ruined the once prosperous agricultural sector and contributed to the economic decline. Maputo admitted last year that 5 million of the country's 14 million people were affected by food shortages caused by drought, insurgency, and government mismanagement.

Maputo Port (25°28′ S. 32°34′ E., Beira Port (19°50′ S. 34°52′ E., Figure 32
Selected Ports and Airfields in Mozambique



25X1

47

Secret		(
		\
		\sim
		<u></u>
		25X1
		<u></u>
		r - ;
		L
		r ·-
		· - 4
		r 1
		,
		, ,
		1 -1
		د، ۱
		(3
		1
		4 ··· 1
		25 X 1
Nacala Port (14°33′ S. 40°00′ E.,	Maputo's general cargo area is located at the mouth	25 X 1
Three deepwater ports, evenly spaced along Mozam-	of the Estuario do Espirito Santo. As of 1985, the	
pique's 2,970 kilometers of coastline, offer direct access to the Indian Ocean for the landlocked coun-	general and bulk cargo docks included 2,225 meters of wharf with berths at least 10 meters deep for 12	
ries of southern Africa and for South Africa's indus-	large oceangoing vessels and one small coastal vessel.	• -•
rialized Transvaal Province. The ports are important of the region's black-ruled states that hope to reduce	Equipment on the wharf included one coal loader, a cold storage building, and 29 storage buildings total-	
ransportation dependence on South Africa. The USSR has naval access to all three seaports. Poor	ing more than 70,000 square meters of covered storage. Two more berths reserved for naval ships total	
maintenance and insurgent attacks on connecting	180 meters in length by 6.7 meters in depth and could	, .
railways and roads have reduced port usage to a small fraction of capacity.	accommodate a destroyer escort and minesweeper. A 4,500-ton capacity floating drydock was delivered to	25 X 1
Description. Maputo is the largest port in Mozam-	Maputo by the USSR in 1981.	25 X 1
bique, with the capacity to unload and clear from	Dockside, cargo-handling equipment consists of 82	
wharves approximately 14,000 metric tons of military cargo in a 24-hour period (military port capacity). It is	electrical cranes, 27 tractors, 158 forklifts, 13 wheel-loaders, and eight compressors	05)/4
located in a well-protected natural harbor with a		25 X 1
water area of about 21 square kilometers. Approach is unobstructed through the northern channel, which is	There also were two new pilot boats—all port pilots	
at locat 11 A motors door but the southann about 1		051/4
= ·		
at least 11.4 meters deep, but the southern channel was closed to most ships as of August 1984.		25 X 1
= · · · · · · · · · · · · · · · · · · ·	48	25 X 1

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28: CIA-RDP88T00768R000300360001-4 Secret 25X1 25X1 Maputo port is connected by narrow-gauge rail lines have been Soviet officers since early 1982—and two and by roads to South Africa, Zimbabwe, and Swazitugs, all in working order. The port has a modern 25X1 container facility with a 200-meter container berth, land. Overland travel throughout Mozambique is interrupted frequently by equipment breakdowns and two container cranes, and a 1,000-TEU container storage yard. attacks by RENAMO insurgents. 25X1 Ore and petroleum facilities are located 8 kilometers Beira is Mozambique's second-largest city and port. It upstream at Matola. In 1985, the single ore cargo had an estimated military port capacity of 7,500 metric tons per day in 1984. Located in the mouth of berth was 360 meters long by 12 meters deep and had two ore loaders. Three tanker berths were each 230 meters long by 10 meters deep. One of the berths had three hoses; equipment at the other is unknown. 25X1

Secret		1-1
		_
		F- 1
		\cup
the Rio Pungoe, the port is approached through an 11-	Nacala contains and 622 mater general corre wherf	1 1
kilometer long channel with an entrance width of 200	Nacala contains one 633-meter general cargo wharf, and one newer 352-meter container/Ro-Ro quay. The	
meters and a depth of at least 5.7 meters. Silt deposits are a major problem, and the channel must be	modern container facility has the capability to store and transship roughly 1,000 TEU. The facility is not,	<u>~1</u>
dredged frequently. The outer harbor offers sheltered	however, equipped with modern container cranes. The	
anchorages up to 7.6 meters deep over firm holding ground, while the inner harbor accommodates up to	port has a total of 985 meters of berthing length. Cargo-handling equipment in August 1985 included	Y~1
six small ships at two mooring buoys with depths of at least 3.4 meters.	20 electric cranes, several smaller mobile cranes, forklifts, and a 25-ton rail-mounted gantry crane.	25X1
	Reportedly, at least 20 percent of the cranes are	20,71
Beira port in 1985 contained 1,560 meters of general cargo berthing, one 166-meter POL bresting wharf,	always out of order. Approximately 18,600 square meters of covered storage is available adjacent to the	١
and two new quays under construction that will offer another 280 meters of berthing. Containers, ores, and	port in eight transit sheds.	25 X 1
bulk cargo are handled along the main cargo wharf. A	Nacala is connected by a narrow-gauge rail line and	
drydock 115 meters long, 17 meters wide, and 8.5 meters tall accommodated ships up to 5,000 tons	paved roads to Malawi, and press accounts say that 90 percent of the container traffic handled at the port is	()
dead-weight.	Malawi's.	25X1
in early 1985 reported that dock	Patterns of Access. Soviet naval and commercial ships	25X1
equipment at Beira also was poorly maintained. Equipment consisted of 52 portal jib cranes, two	have called regularly at all three ports since Mozam- bique and the USSR signed a Treaty of Friendship	ن ،
floating cranes, and one mobile crane, although this equipment reportedly was in poor condition in early	and Cooperation in March 1977. Soviet warships transiting the Cape route around Africa often stop in	25 X 1
1985. Covered storage is provided by 17 transit sheds	Mozambique, as do Cuban troop ships sailing between	L., !
adjacent to the berthing area, with a total of over 31,500 square meters of space. There also is about 31	Angola and Ethiopia. Soviet arms carriers have delivered MIG-21 fighters to Nacala, MIG-17s to Beira,	٠ ـ ٠
hectares of open storage. A narrow-gauge railway and paved roads connect the port to Malawi, Zimbabwe,	HIND-D helicopters to Maputo, and a wide variety of other military equipment. Arms destined for other	,
Zambia, and Botswana.	Soviet clients in southern Africa have been shipped to	25X1
Beira has a small container capability, but not a	Beira, and moved onward by rail. Other frequent visitors include Soviet fishing vessels that operate in	,
modern facility. There are no container cranes. The only dedicated container storage area is apparently	Mozambican waters and Soviet research ships doing extensive hydrographic studies of the Mozambique	• .
for empty storage only.	Channel.	25X1
Nacala is Mozambique's third-ranking port and prob-	Commercial vessels from the West frequently call in	. •
ably the best natural harbor in east Africa. Small and compact, it has an estimated military port capacity of	Mozambique, but naval visits are rare. Military aid from the West remains limited and rarely involves	
4,000 metric tons per day. The large harbor has	arms deliveries	25 X 1
depths varying from 20 to more than 60 meters and offers good anchorage for ships of any size. The		
entrance channel from the north is about 1 kilometer wide and at least 20 meters deep.		25 X 1
		20/(1
		, .
		hame
		• 1

50

Declassifie	d in Part - Sanitized Copy Approved for Release 20	011/12/28 : CIA-RDP88T00768R000300360001-	4
		Secret	
ı			
		2	25 X 1
			i i
			25X1
	Activity. Maputo was the busiest port on the East	Mozambique's roads. Port usage was at least 3 million	
	African coast until Mozambican independence in 1975, when South Africa rerouted its trade to avoid	tons annually before independence, but dropped to approximately 1.6 million tons each year from 1981	
	the new, black-ruled, Marxist state. Although South	through 1983. It appears to have diminished to only	
	Africa has resumed using Maputo, insurgent activity and continuing port deterioration have reduced port	600,000 tons of cargo handled during the first six months of 1984. In early 1985, the port was handling	
	usage steadily in recent years. Having accommodated	Ro-Ro ships and about 400 containers every 19 days.	
	more than 13 million tons of cargo in 1973, Maputo handled only 6.6 million tons in 1981, 5.6 million tons		25 X 1
	in 1982, 4.1 million tons in 1983, and 3.3 million tons	Insurgent activity and gross inefficiency have greatly	
	in 1984.	reduced port operations and almost closed Nacala's rail and road links to Malawi and northern Mozam-	25 X 1
	Beira is the terminus of international railways and	bique. The Mozambican press reports that the port	
	roads and of a pipeline carrying petroleum to Mutare, Zimbabwe. The insurgents have closed the railway to	could accommodate 2 million tons of cargo annually,	
	Malawi, however, and frequently ambush travelers on		
			1
			1
	51	Secret	1
	31	Secret	

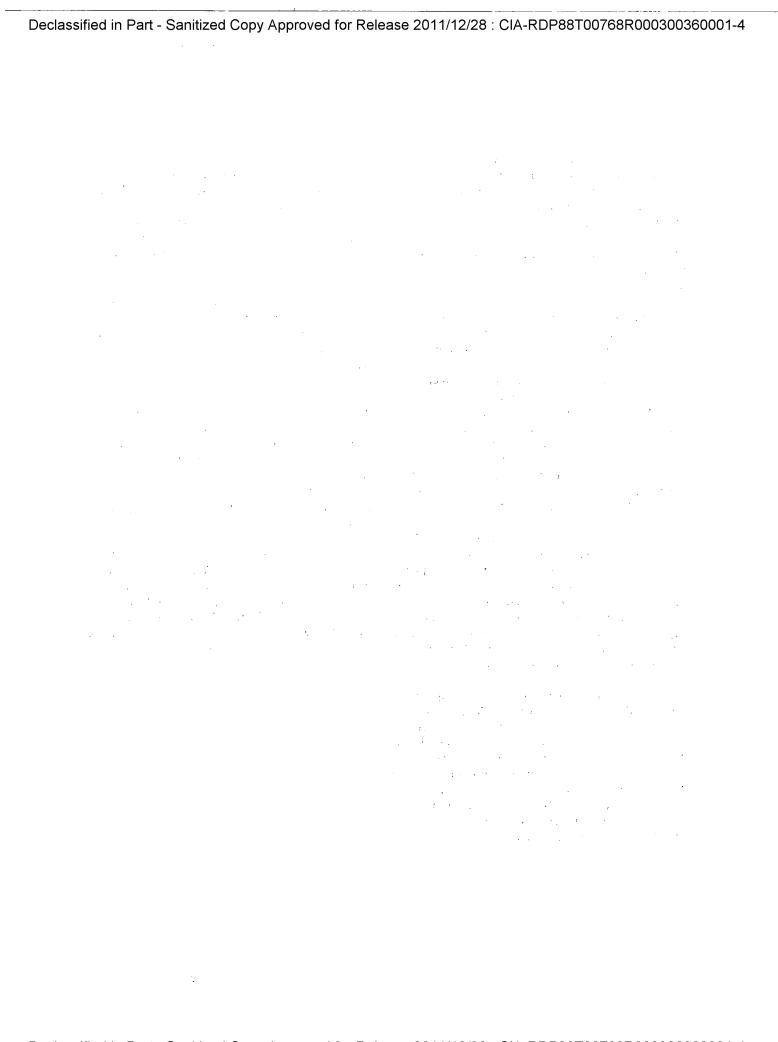
Secret		
		25)
hut handled only about 700 000 tone cosh were in	The Manager Name has about 10 material bases and	
but handled only about 780,000 tons each year in 1979 and 1980.	The Mozambican Navy has about 10 patrol boats and uses all three ports. Mozambique's Air Force has	
the port was theoretically capable of handling	about 35 MIG-21 interceptors based at Nacala; a	
approximately 300 containers per month, but it had	similar number of MIG-17 fighter-bombers, usually	
about 1,500 containers backed up.	at Beira; and 15 HIND-D helicopter gunships at Maputo. SA-3 sites are deployed around the capital	
Fuel Storage. Estimated storage capacity for refined	city, and antiaircraft artillery sites are near the	
products in 1979 was 1.7 million barrels at Maputo	airfield. Newly delivered SA-2 missiles were being	
(another 830,000 barrels of crude oil can be stored,	installed north of Maputo in early 1986. Ground	
mostly at the refinery) and 1.4 million barrels at	forces garrisoned near the ports include the 6th Tank	0.5
Nacala. A covert raid	Brigade and 1st Mechanized Infantry Brigade near	25
at Beira in December 1982 destroyed approximately half of the oil storage tanks there, reducing storage	Maputo at Matola and Boane, at least one infantry battalion and headquarters elements of the 5th Mo-	
capacity to about 730,000 barrels.	torized Infantry Brigade in Beira, and an airborne	
supusity to about 750,000 surreis.	training base at Nacala.	
Defenses. Soviet warships occasionally call at Mo-		0.5
zambique's ports, but no Soviet combat ships are assigned there. Many of the approximately 800 Sovi-	Maputo Airport (25°55′ S. 32°34′ E.,	25) 25)
et, 800 Cuban, and 500 East European military		
advisers in Mozambique are stationed near the port	Beira Airport (19°47′ S. 34°55′ E.,	25X
cities.		
Secret	52	

	Secret
	25X1
Nacala Airfield (14°29′ S. 40°43′ E., Mozambique's primary international airports at Maputo and Beira, and the regional airfield at Nacala, are major bases for the Mozambican Air Force and assembly points for its Soviet-manufactured combat aircraft. Aircraft of any size can land and take off at Maputo; Beira and Nacala could accommodate C-141s.	of parking space. Maputo has only limited cargo 25X1 handling equipment, a known capacity to store 600 barrels of jet fuel although the presence of underground tanks indicates a greater capacity, and a hydrant and truck fuel dispersal system. Good roads and a railroad connect the field to the nearby port and capital city. 25X1
Description . Maputo Airport's primary asphalt runway is 3,650 by 60 meters with a 293-meter overrun on a northeast/southwest axis. The secondary asphalt runway measures 1,685 by 45 meters and is oriented east/west. Five aprons provide 67,692 square meters	This joint military-civilian facility includes a civilian terminal with one large operations building and control tower, five hangars, and approximately 20 support buildings. An adjacent military transport area
53	Secret



includes one large hangar, one large support building, an old probable terminal building, and approximately	Nacala Airport is the assembly point and home base of all of Mozambique's MIG-21 interceptors. Thirty-seven MIG-21s were seen there in February 1986, but	
20 smaller support buildings. The main military area is surrounded by a double fence and watchtowers, and	other unassembled ones may be in hangars	25X1
includes two hangars, one small ammunition storage		[່] 25 X 1
building, two probable barracks, and approximately	The	25 X 1
25 other administrative and support buildings. Earth revetments, probably for fighter aircraft, were under construction in early 1986.	airfield is equipped with ground-controlled intercept radars to support the MIG-21s.	25X1 25X1
construction in carry 1900.	Mozambique's approximately 35 MIG-17 fighter-	23/1
Maputo could accommodate estimated daily sortie	bombers are based at Beira Airport. MIG-17s also	
rates of 136 C-130s (delivering 1,770 tons of cargo),	have been seen at Maputo and Nacala from time to	0.57.4.4
80 C-141s (3,380 tons), or 32 C-5s (2,240 tons).	time, and they have been reported at other airfields as well.	25X1 25X1
Beira's Airport has three asphalt runways including one of 2,400 by 45 meters. The three aprons total 137,305 square meters. The field has standard airline cargo handling equipment and a few storage sheds, but the fuel storage capacity and dispensing system	Maputo Airport is the primary assembly point and home base for Mozambique's fleet of Soviet-built helicopters. HIND MI-25 helicopter gunships were first observed in Mozambique in October 1983, and	
are unknown. A paved road connects the terminal	by August 1985 at least 16 had arrived—one was	
with the nearby rail junction and port. Beira could	subsequently shot down by insurgents. Maputo Air-	
handle an estimated 240 C-130 sorties (3,110 tons of cargo) or 160 C-141 sorties (6,750 tons) daily.	field sometimes houses at least nine Hip transport helicopters and six AN-26 fixed-wing transports.	25X1 25X1
Nacala's single asphalt runway measures 2,500 by 44		20/(1
meters. Three asphalt aprons total 44,933 square meters. The field has limited cargo-handling equipment, an operations building and control tower, three	Defenses. The Maputo area is protected by four SA-3 surface-to-air missile sites, SA-2 missile launchers being installed in April 1986, and air defense artillery,	
hangars, and about 70 administrative, housing, and	South African	25 X 1
storage buildings. It has an unknown fuel storage capacity, and fuel is dispensed by truck. Nacala could	aircraft bombed and straffed a Maputo suburb in May 1983 without loss, but a reconnaissance drone	20/(1
handle an estimated 112 sorties of C-130 aircraft (1,450 tons of cargo) daily.	was shot down later.	25X1 25X1
Activity. A Soviet Military Assistance Group was		
established with its headquarters in Maputo in 1977 or 1978. Soviet advisers		25X1
train pilots and supervise aircraft maintenance for the		
Mozambican Air Force. Since May 1983, Moscow		
has stationed two Soviet military transport AN-12s in Mozambique on a rotational basis; although they are		
based at Maputo, the AN-12s have been seen at		
regional airfields throughout the country in support of		
the Mozambican Armed Forces.		25X1

Reverse Blank 55 Secret



South Africa

Overview

The South African leadership is facing one of its most serious political and economic challenges since the ruling National Party came to power in 1948. Black opposition to apartheid has generated almost daily rioting and demonstrations throughout the country. President Botha's efforts to introduce limited and gradual racial reforms to the political system have angered more conservative whites and fueled discontent on the part of blacks who want immediate changes to the system. Declining investor confidence has triggered a debt crisis, which has been ameliorated for the moment through an agreement that creditors will roll over most loans through June 1987.

The primary black opposition group, the outlawed African National Congress (ANC), generally has been unable to harness the domestic unrest, but nonetheless has enjoyed increased international support as a result of intensive media coverage of the violence. Although it is the most popular group among South African blacks, the ANC lacks an effective political and military structure within South Africa. Most of the 4,000 to 5,000 troops in its military wing are located in Angola. The states bordering South Africa have restricted ANC use of their territories out of fear of South African military retaliation. Periodic raids by Pretoria against ANC targets in neighboring states have kept the organization in disarray in recent years.

Indian Ocean Ports

Richard's Bay (28°49′ S. 36°06′ E.,

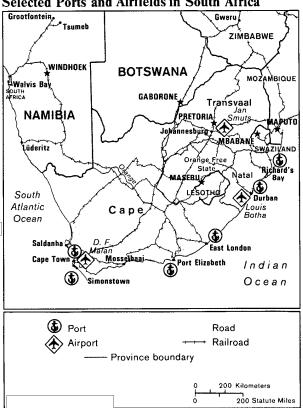
Durban (29°53′ S. 31°00′ E.,

East London (33°02′ S. 27°55′ E.,

Port Elizabeth (33°57′ S. 25°38′ E.,

South Africa's well-run and highly specialized Indian Ocean ports serve the mineral and agricultural areas of the interior plateau. Richard's Bay, newly developed to handle expanding exports of coal and to

Figure 39
Selected Ports and Airfields in South Africa



25X1

25X1

relieve congestion at Durban, handles more tonnage 25X1 than any other port in Africa. Durban is the largest port in Sub-Saharan Africa, and the most important in South Africa in terms of value of exports and imports. East London is the major terminus of the 25X1 southern railway handling traffic for Zaire, Zimbabwe, Zambia, Botswana, and Malawi. Port Elizabeth 25X1 handles the agricultural exports of South Africa's Cape and Orange Free State Provinces. Ship repair at 25X1 Durban and replenishment at the other ports would benefit commercial ships and naval forces operating in the southern Indian Ocean and along the Cape of 25X1 Good Hope passage around Africa. 25X1

57

706535 (A05668) 6-86

Secret		
		0574
		25 X 1
Description. The four largest ports between the Mo-	general cargo in a 20-hour workday. It is an improved	
zambican border and Cape Town are efficiently managed and well equipped but, except for Richard's Bay,	natural harbor and has an anchorage for vessels of all sizes 4 to 8 kilometers outside the port. The breakwa-	
they are shallow by world standards. All four ports	ter-protected water area of 538 hectares has depths	
accommodate container and roll-on/roll-off ships and tankers. Richard's Bay and Durban are equipped for	from 4 to 19.5 meters. The entrance channel is 300 meters wide by 19 meters deep. The port can accom-	
the import of crude oil, and a major pipeline leads inland from Durban. The largest grain ships that can	modate ore ships up to 250,000 tons deadweight, according to one press account in early 1985.	;
use Durban, East London, or Port Elizabeth, however,		•
are 30,000 tons in capacity, whereas 50,000-ton vessels are commonplace in the United States.	The port facility consists of one 538-meter dry bulk cargo quay, one 159-meter general cargo quay, one	
Northernmost of the four, Richard's Bay has the		
capacity to handle an estimated 6,765 metric tons of		

58

	Secret
	25X1
806-meter coal transshipment quay, and one 160-meter POL berthing wharf. Cargo-handling equipment includes eight 4-ton mobile cranes, three gantry-type traveling conveyor coal loaders, two bulk cargo loaders, and one container crane. The harbor has three tugboats. Three single-track rail lines (all 1.067-meter gauge in South Africa) and two paved roads connect the port with the national rail and road networks. Located about 160 kilometers south of Richard's Bay is the port of Durban. It is capable of handling an estimated 54,700 tons of general cargo per day, or	harbor with good holding ground of fine sand. The entrance channel is 1,500 meters long by 185 meters wide and at least 12.8 meters deep. Durban port has 1,950 meters of container shipping berths, 1,590 meters of dry bulk cargo berthing, 7,400 meters of general cargo berthing, a 433-meter POL transfer quay, and seven POL bresting wharfs. The port can accommodate the largest general cargo, container, or roll-on/roll-off vessel now in existence.
cargoes. Durban is an improved natural harbor with unlimited anchorage for vessels of all sizes outside the	·
	meter POL berthing wharf. Cargo-handling equipment includes eight 4-ton mobile cranes, three gantry-type traveling conveyor coal loaders, two bulk cargo loaders, and one container crane. The harbor has three tugboats. Three single-track rail lines (all 1.067-meter gauge in South Africa) and two paved roads connect the port with the national rail and road networks. Located about 160 kilometers south of Richard's Bay is the port of Durban. It is capable of handling an estimated 54,700 tons of general cargo per day, or 84,200 tons of combined general and containerized cargoes. Durban is an improved natural harbor with

Three private shipbuilding and repair firms at Durban share a drydock (80,000 deadweight-ton capacity), a floating dock (lifting capacity of 3,629 tons), and a shipbuilding way (maximum size ship 30,000 tons). The small naval base within the port has a 2,000-ton-capacity synchrolift. The 12,000- to 16,000-ton vessel under construction at Durban—South Africa's first indigenously designed and produced replenishment ship due to be completed about mid-1986—indicates the port's growing shipbuilding capabilities. Durban shipyard may produce surface combatants of corvette size within a decade, and possibly submarines by the end of the century.

Durban is the most versatile and best equipped of the four ports. It has 153 portal jib cranes varying from 4 to 15 tons in capacity, one heavy-lift crane (80 tons capacity), three floating cranes (25, 60, and 200 tons), eight container cranes (40 tons), 13 mobile cranes (6 to 35 tons), and numerous straddle carrier container cranes. The port has more than 300 forklift trucks (3- to 25-ton capacities) and specialized loaders for grain, sugar, alumina, soda ash, molasses, coal, and ores. Harbor craft include nine tugboats. Within the port are at least 94,000 square meters of covered storage in 16 large transit sheds and open stacking space for more than 30,000 TEU of containers.

Every wharf at Durban is cleared by at least one hard-surfaced multilane highway, and virtually all wharves are served by rail. Connections are to the nearby city of Durban, thence on to the nationwide road and rail networks. Louis Botha Airfield, which can take aircraft up to C-141 in size, is 13 kilometers south of the port.

Approximately 380 kilometers southeast of Durban is the port of East London, which can handle an estimated 11,800 metric tons of general cargo per day. Port facilities stretch 1.6 kilometers along both banks of the Buffalo River estuary. The roadstead northeast of the harbor entrance provides poorly protected but extensive anchorage for ships of all sizes in depths of 6 to 27 meters over good holding ground of sand. The entrance channel is 183 meters wide and dredged to a depth of 10.6 meters.

The port has six berths at least 8.5 meters deep for very large oceangoing ships with general cargo, and nine other berths usable by smaller oceangoing vessels. There are two berths equipped with pipelines, one of which can accommodate a large ocean tanker. Shore equipment includes 31 cranes, ranging in capacity from 4 to 20 tons, and about 60 forklifts. There are over 14,000 square meters of covered storage for general cargo, one grain elevator, and 3.5 hectares of open stacking space, including one container storage lot. Repair facilities include a graving dock 198.5 meters long and one floating drydock. Harbor craft include five tugboats. One rail line—only single track at one point-and three multilane hard-surfaced roads connect the port with the national rail and road systems.

25X1

25X1

25X1

25X1

25X1

25X1

25X1

About 240 kilometers southwest of East London is Port Elizabeth, an artificial, breakwater-protected port on Algoa Bay. Port Elizabeth could handle about 15,690 metric tons of general cargo per day. The bay offers extensive protected anchorage in depths of 9 to 18 meters over good holding ground of mud, clay, and shells. The entrance channel is 380 meters wide and 12.2 meters deep.

The port has three quays and a total of 865 meters of berth space for general cargo and containers, one 198-meter Ro-Ro/bulk cargo quay, one 18-meter-wide Ro-Ro ramp, and one 120-meter POL berthing wharf. Total commercial berthing space is 1,190 meters. There are 41 portal jib cranes, three container cranes, four mobile cranes, two ore leaders, and numerous container straddle carriers. Harbor craft include three tugs and one coastal lighter. The port had 9,200 square meters of covered storage in six transit sheds adjacent to the berths. Open stacking space for about 10,700 TEU of containers is present. Two single-track rail lines and three paved roads clear the port.

Activity. Following dramatic harbor development projects of the 1970s—including construction of new ports at Richard's Bay and Saldanha, and the conversion of existing harbors to handle containerized cargo—the world recession of the early 1980s has curtailed most port expansion in South Africa.



	Secret	ease 2011/12/28 : CIA-RDP88T00768R000300360	
			25X
י	Nonetheless, Richard's Bay has a water area more	than 50 percent of the potential of all South African	
t	than three times the size of Durban and could eventu-	ports combined. It handled almost 450,000 containers	
	ally become South Africa's major port. Pretoria is proceeding to double-track a portion of the railway	in fiscal year 1985, and container traffic had increased at about 15 percent annually over recent	
	and add three ship berths at Richard's Bay by	years. Exports included coal; manganese, iron, and chromium ores; general cargo; sugar; fruits; and	
t	December 1986, however, which will enable that port to export 44 million tons of coal annually. The entire	grain. Imported goods included containerized and	
	rail line to the port is to be double-tracked in the 1990s to expand capacity at Richard's Bay to 80	general cargo, petroleum products, timber, motor vehicles, and other manufactured items.	
	million tons of coal exports each year.		
	Durban is the country's busiest harbor—handling 25	With the shift to containerized cargoes, Port Elizabeth has ceased to be primarily an import port for the	
_	percent of South Africa's seaborne cargo and more than half its container traffic as of mid-1983, accord-	eastern Cape and Witwatersrand (in Transvaal Province) areas, as well as an important entry point for	
i	ing to official statistics—but is underutilized. Durban,	Zimbabwe. It now is predominantly an export port,	
	which exports some ores but mostly lighter cargos, had an estimated cargo-handling capability of 35	handling manganese ore, asbestos, wool, and motor vehicles.	
	million tons annually in mid-1984, which was more	<u>—</u>	

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28 : CIA-RDP88T00768R000300360001-4

Secret

Secret

East London is chiefly also handles substantia			South Atlantic Ports	
Zaire.	ur voppur mom <u>m</u> ur		Cape Town, Table Bay (33°54′ S. 18°26′ E.,	?5X
Fuel Storage. Durban million barrels of crud million barrels of refin	le oil in 35 tanks a	nd 17.7	Simonstown Naval Base (34°11′ S. 18°26′ E.,	25X1 25X1
May 1984,			Cape Town, located on the Atlantic coast about 55	25 X 1
Activity at the four In shown in the following			kilometers north of the Cape of Good Hope, is an important port and railroad terminal for passengers, general cargo, and perishable exports. More ships call there each year than at any other port in South Africa except Durban. Located nearby is Simonstown, the major operating and repair base of the South African	
	(thousand	(oceangoing	Navy and the best-equipped naval base in southern	
	metric tons)	vessels)	Africa. Its use by US naval forces operating in the	
Total	60,242	4,537	region would reduce the need for costly and time-	
Richard's Bay	31,269	679	consuming transits to the United States for ship	
Durban East London	18,952 4,295	543	repairs and services.	25 X
Port Elizabeth	5,726	941	Description. Cape Town was capable of handling an	
Defenses. South Afric Durban, where the Na boats is based. The bo under license in South load of six Skorpion (I missiles, the boats were operati as of mid-1985.	avy's flotilla of eiglats are Israeli Reslats are Israeli Reslats and three were considered by a harboration.	nt missile nefs produced ving a normal untiship Five of re in storage	1976, and new facilities for container traffic have been added since then. Cape Town has an improved, natural harbor with seven breakwater-protected basins and a small ancillary harbor. Outside the harbor, Table Bay provides extensive anchorage for vessels of all sizes at depths of 11.5 to 36.5 meters over good holding ground of mud and rock. The entrances to the three major basins are all at least 11.5 meters deep, and the harbor has a total water area of about 280 hectares. The port contains, 2,650 meters of general cargo	25 X 1
has two Namacurra p	gth at about 65 ma		berthing, 1,380 meters of dedicated container ship- ping berths, two 172-meter POL berthing wharfs, one 383-meter bunkering wharf, and one 260-meter off-	25 X 1
marines are focused o from the sea, while So harbor police control	outh African railwa	rys and	shore bunkering wharf.	25 X
na.cor ponce control o	access to the port i		According to published data, equipment at the general cargo wharves in 1985 included the following functional electric cranes: six 15 tons, one-hundred-eighteen 4 tons, and four 3 tons. There was one 15- to 35-ton mobile crane and two floating cranes of 200 and 60 tons capacity. The port had over 200 forklifts, two 25-ton side loaders, and 20 shunting tractors. Harbor craft were five ocean going tugs, three pilot tugs, and three pilot boats.	237

Decla	assified in Part - Sanitized Copy Approved for Rel Secret	lease 2011/12/28 : CIA-RDP88T00768R0003003600	01-4
			ļ
			25 X 1
			(
			ļ
			{
			(
			{
			; ;
			(
			[25)
	Cape Town port had 50,700 square meters of covered cargo storage in sheds. The container stacking area	Sturrock graving dock, located within the port, is the largest in Africa. It is 379 meters in length and can be	[
1	has a capacity of at least 2,600 TEU and is equipped with five 35-ton cranes. The port is cleared by four hard-surfaced roads linking to the national road sys-	divided to accommodate two vessels. The other graving dock has a length of 161.2 meters. There is a synchrolift with a capacity of 1,750 tons and four	ſ
!	tem, and by two electrified rail lines. The double- track line connects with the national rail system, and the single-track line extends 35 kilometers to Simons-	marine railways for repair of small craft.	25) (
	town.		25)
			Į.
	Secret	64	
		lease 2011/12/28 : CIA-RDP88T00768R0003003600	

		· · · · · · · · · · · · · · · · · · ·	and the second	Secret	
			,		
		登録したが、これに	14 M 44		
					25 X
Na 5,0	avy and has little common and 6,000 tons of gloaded there daily. mons Bay provides she	ered by the South African mercial potential. Betwee general cargo could be eltered anchorage for vess 12 to 21 meters over good	n and modern warsh from the Cape of C largest vessel that would occupy an a sels 323 meters long, or deep of unrestricte	acility contains the most exte ip repair facilities of any ship Good Hope to Singapore. The Simonstown could accommod nchorage berth 14 meters dee r an alongside berth 8.9 mete d length. Total berthing spac	yard late p and rs
of ho		and sand. The entrance to		Base is 4,474 meters.	
of ho Si	nonstown's two well-p	protected, artificial inner l	har-		which
of ho Sir bo Th	nonstown's two well-p rs is 91 meters wide an e inner harbor, with a	orotected, artificial inner l nd at least 11.5 meters de water area of about 11	har- eep. Wharf equipment i are 50 tons in capa	includes nine cranes, three of acity. Harbor craft comprise t	hree
of ho Sin bo Th he	monstown's two well-prs is 91 meters wide and e inner harbor, with a ctares, has a large grav	orotected, artificial inner l nd at least 11.5 meters do water area of about 11 ving dock and is used prir	har- eep. Wharf equipment i are 50 tons in capa nar- tugs and three laur	includes nine cranes, three of acity. Harbor craft comprise the three th	hree 500
of ho Sin bo Th he ily	monstown's two well-press is 91 meters wide and e inner harbor, with a ctares, has a large gray for ship repairs. The s	orotected, artificial inner lend at least 11.5 meters do water area of about 11 ving dock and is used pring submarine harbor, with a	har- eep. Wharf equipment i are 50 tons in capa nar- tugs and three laur	includes nine cranes, three of acity. Harbor craft comprise t	hree 500
of ho Sin bo The he ily wa	monstown's two well-press is 91 meters wide are inner harbor, with a ctares, has a large gray for ship repairs. The ster area of about 3 he	protected, artificial inner lend at least 11.5 meters do water area of about 11 ving dock and is used pring submarine harbor, with a ectares, is the repair and	wharf equipment is are 50 tons in capa tugs and three laur square meters of co	includes nine cranes, three of acity. Harbor craft comprise the three th	hree 500
of ho Sin bo Th he ily wa op	monstown's two well-press is 91 meters wide are inner harbor, with a ctares, has a large gray for ship repairs. The ster area of about 3 he	orotected, artificial inner lend at least 11.5 meters do water area of about 11 ving dock and is used pring submarine harbor, with a	wharf equipment is are 50 tons in capa tugs and three laur square meters of co	includes nine cranes, three of acity. Harbor craft comprise the three th	hree 500
of ho Sin bo Th he ily wa	monstown's two well-press is 91 meters wide and e inner harbor, with a ctares, has a large gray for ship repairs. The ster area of about 3 he erating base for South	protected, artificial inner lend at least 11.5 meters do water area of about 11 ving dock and is used pring submarine harbor, with a ectares, is the repair and	wharf equipment is are 50 tons in capa tugs and three laur square meters of co	includes nine cranes, three of acity. Harbor craft comprise the three th	hree 600
of ho Sin bo Th he ily wa	monstown's two well-press is 91 meters wide and e inner harbor, with a ctares, has a large gray for ship repairs. The ster area of about 3 he erating base for South	protected, artificial inner lend at least 11.5 meters do water area of about 11 ving dock and is used pring submarine harbor, with a ectares, is the repair and	wharf equipment is are 50 tons in capa tugs and three laur square meters of co	includes nine cranes, three of acity. Harbor craft comprise the three th	hree 600
of ho Sin bo Th he ily wa	monstown's two well-press is 91 meters wide and e inner harbor, with a ctares, has a large gray for ship repairs. The ster area of about 3 he erating base for South	protected, artificial inner lend at least 11.5 meters do water area of about 11 ving dock and is used pring submarine harbor, with a ectares, is the repair and	wharf equipment is are 50 tons in capa tugs and three laur square meters of co	includes nine cranes, three of acity. Harbor craft comprise the three th	hree 600

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28 : CIA-RDP88T00768R000300360001-4

		25)
One paved road and one	that the facility could handle the follow-	2
double-tracked rail line clear the port and connect	ing vessels for refit simultaneously: one frigate, one submarine, one missile boat, two mine countermea-	2
with the national system. A second road terminates at	sures ships, and three smaller vessels.	
with the national system. A second road terminates at the Cape of Good Hope.		
•	Activity. Cape Town handled 5,500 tons of cargo, 1,432 ships, and 167,000 containers in 1982. Among	
the Cape of Good Hope. Simonstown shipyard provides major repairs to naval		
Simonstown shipyard provides major repairs to naval vessels and is capable of building tugs and small vessels. The graving dock is 237 meters long. The	1,432 ships, and 167,000 containers in 1982. Among South Africa's major ports, only East London and	
Simonstown shipyard provides major repairs to naval vessels and is capable of building tugs and small vessels. The graving dock is 237 meters long. The syncrolift has a lifting capacity of 2,500 tons and is able to handle ships up to 60 meters in length. There	1,432 ships, and 167,000 containers in 1982. Among South Africa's major ports, only East London and Mosselbaai handled less cargo by weight, but only Durban accommodated more ships and containers.	
Simonstown shipyard provides major repairs to naval vessels and is capable of building tugs and small vessels. The graving dock is 237 meters long. The syncrolift has a lifting capacity of 2,500 tons and is able to handle ships up to 60 meters in length. There also are three small marine railways adjacent to the	1,432 ships, and 167,000 containers in 1982. Among South Africa's major ports, only East London and Mosselbaai handled less cargo by weight, but only Durban accommodated more ships and containers. The port handles most of South Africa's fruit and other perishable exports, and a new refrigerated hold-	
Simonstown shipyard provides major repairs to naval vessels and is capable of building tugs and small vessels. The graving dock is 237 meters long. The syncrolift has a lifting capacity of 2,500 tons and is able to handle ships up to 60 meters in length. There also are three small marine railways adjacent to the	1,432 ships, and 167,000 containers in 1982. Among South Africa's major ports, only East London and Mosselbaai handled less cargo by weight, but only Durban accommodated more ships and containers. The port handles most of South Africa's fruit and other perishable exports, and a new refrigerated hold-	

25X1 25X1 The international airports at Johannesburg, Cape Fuel Storage. Cape Town had 92 petroleum tanks with approximately 2.7 million barrels of storage Town, and Durban are capable of handling aircraft of capacity in 1976. Simonstown at that time could store any size. They serve South Africa's three largest cities and economically most active areas, and are linked to about 170,000 barrels of fuel oil, diesel fuel, and the national road and rail systems. The United States gasoline. 25X1 probably would require some use of the airports at Cape Town and Johannesburg should it be required to transport and sustain a UN peacekeeping force super-**International Airports** vising a transition to independence in Namibia. Jan Smuts Airport, Johannesburg (26°08′ S. 28°14′ 25X1 Description. Jan Smuts Airport is located 15 kilome-25X1 E. ters northeast of Johannesburg, South Africa's largest D. F. Malan Airport, Cape Town (33°58' S. 18°36' city, and about 30 kilometers south of Pretoria, the 25X1 Louis Botha, Durban (29°58' S. 30°57' E., 25X1 67 Secret

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28: CIA-RDP88T00768R000300360001-4

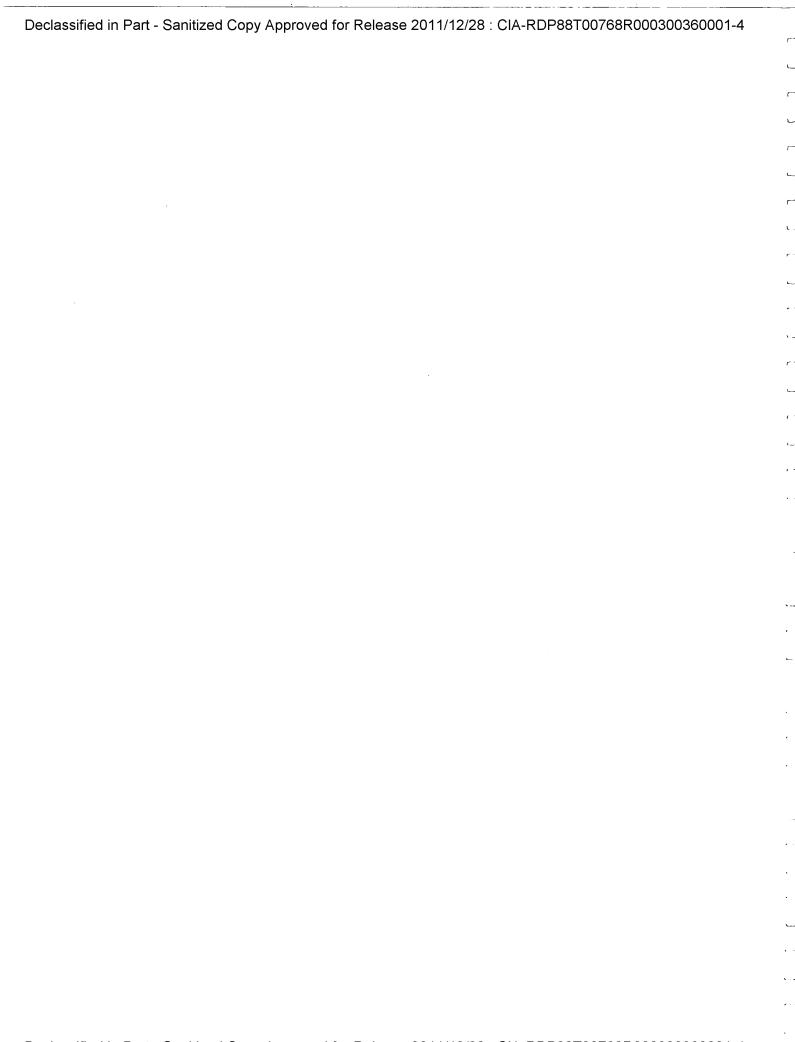
Secret	elease 2011/12/28 : CIA-RDP88T00768R00030036	
		0EV4
		25 X 1
	-	
capital. It has three asphalt runways approximately	16,770 tons of cargo. Alternatively, it could accom-	
61 meters wide and of varying lengths: 4,398, 3,382, and 2,798 meters. The South African press has	modate an equal number of sorties of C-141 aircraft (delivering 10,120 tons of cargo) or C-130 aircraft	
reported that a new runway put into operation in August 1984 has doubled the airport's capacity from	(3,110 tons).	2
40 to 80 flights per hour. There are at least six concrete parking aprons, the largest measuring 818 by	D. F. Malan Airport is 11 kilometers east of Cape Town, South Africa's second-largest city and a major	
362 meters. The field has a control tower, terminal	road and rail terminal in the south. It is a joint	
building, and numerous hangars and support buildings. The usual commercial cargo-handling equip-	civilian and military airfield with two asphalt runways: 3,187 by 58 meters, and 1,700 by 46 meters.	
ment is available. Connections to major highways and rail lines are nearby.	There are numerous taxiways and crossovers. The main support area with the control tower and civilian	
The airport could handle an estimated 240 sorties of	•	
C-5 aircraft per day, which could deliver about		
Secret	68	

Secret

nance and su support facili four large ha ings associate radars. An au	udes 12 hangars and at least 37 mainte- pport buildings. The smaller military ty includes an administration building, ngars, and at least seven support build- ed with navigational aids and airfield mmunition storage area contains three age bunkers, one revetted checkout and er, two revetted holding areas, and three ings could accommodate about 56 daily sorties aft delivering approximately 3,910 tons of	Defenses. The South African Air Force maintains operational bases near all three airfields, although its Mirage interceptors normally are based at two Air Force bases near Jan Smuts Airport. They could be deployed quickly to protect the other fields. South Africa has moderate numbers of low- and medium-altitude SAMs and antiaircraft artillery. Substantial ground forces are available to secure all three airports quickly against a threatened seizure. Pretoria	25X1 25X1 25X1
storage bunk support build The airfield of by C-5 aircracargo. It coulaircraft (6,75 tons of cargo) Louis Botha Durban, Soulargest city. If there are five and crossover tower and tensions.	ld handle about 160 sorties of C-141 0 tons daily) or 240 C-130 sorties (3,110	probably would have strategic warning of any major attack on South Africa, and the Air Force is steadily expanding its tactical early warning radar coverage in the region.	25X1 25X1
highway to D	Ourban, and a rail line just west of the		25X1
	could handle about 104 C-5 sorties daily,		20/(1
delivering 7,2	260 tons of cargo. It could accommodate reraft in a day (delivering 9,790 tons of		
	ut 240 C-130 sorties (3,110 tons).		25 X 1
available and refueling true is an estimate approximatel 20,250 barre airfields is pr determined b	All fields have commercial jet fuel dispensed by a hydrant system and eks. Fuel storage capacity at D. F. Malan ed 1,350 barrels, that at Louis Botha is y 1,540 barrels, and that of Jan Smuts is ls. The fuel storage capacity of all three obably much greater but cannot be eccause the tanks are underground. Sub-		
	ge capacity is available in the industrial is near all three airports.		25 X 1
terminate at	st international flights to South Africa one of these three airports, all of which		
and ports.	nnections to local flights, roads, railways,		25 X 1

69

Reverse Blank



Namibia

Overview

South Africa first occupied then German South-West Africa (Namibia) in 1915 as a British ally in World War I. In 1920 the region was given to the South Africans as a mandate by the League of Nations. Since that time, Pretoria has continued to govern the area in "the spirit" of that mandate despite United Nations insistence on immediate elections and Namibian independence.

South Africa insists that any future government in Windhoek must be to its liking. As a result, an interim government formed by the Multi-Party Conference (MPC), a South African-backed coalition of political parties, took office in Windhoek in June 1985.

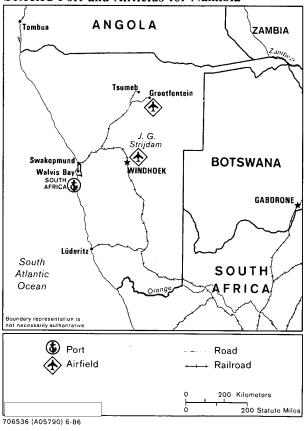
According to the US Embassy, the South African Administrator General in Windhoek retains veto power over the government's actions, and Pretoria controls Namibia's defense, security, and foreign affairs. The South Africans, however, are attempting to enhance the interim government's legitimacy by giving it opportunties to dispense patronage as well as control of the country's railroads and the port of Luderitz. In addition,

that South Africa's counterinsurgency police force has been absorbed into the local police force.

No foreign nation has recognized the MPC government. The international community supports UN Resolution 435, which calls for immediate elections in Namibia and declares null and void all unilateral internal measures aimed at giving the country independence. The UN recognizes the South-West Africa People's Organization (SWAPO)—which probably has the support of 50 percent of the population—as the sole legitimate spokesman for the Namibian peo-

SWAPO refuses to participate in the interim government and plans to intensify its 20-year-old guerrilla struggle against the new authorities in Windhoek and their South African backers. We believe, on the basis of a variety of sources, that SWAPO has come under

Figure 49 Selected Port and Airfields for Namibia



increasing Soviet Bloc influence over the past decade and receives large amounts of arms, money, and training, although the exact amounts are not known. Soviet influence can be seen in SWAPO rhetoric, which increasingly emphasizes socialist goals.

Walvis Bay (Walvisbaai) 1 (22°57′ S. 14°29′ E.,

Walvis Bay—a self-arrogated South African exclave in Namibia—is the only deepwater port along the 3,000-kilometer coastline of southwestern Africa between Luanda and Cape Town. It is linked to central

¹ Walvis Bay is actually an exclave of South Africa.

25X1 25X1

25X1

25X1

25X1

25X1

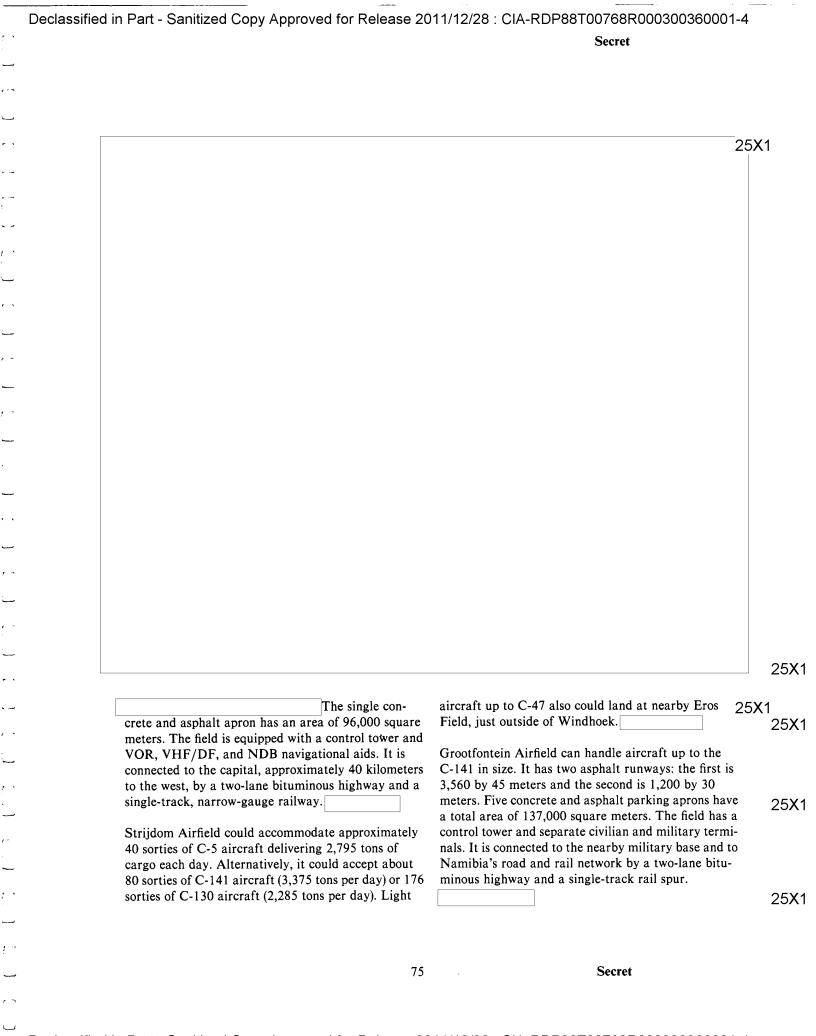
25X1

25X1

Secret	elease 2011/12/28 : CIA-RDP88T00768R00030036	
		25
		20
		2
Nambia and South Africa by rail, road, and air, and to Angola and Botswana by roads. The port offers the most economical means for the United States to meet its obligation to deliver and maintain a projected 7,500-man UN monitoring force that would be required in the event that a UN plan is implemented for		2
a transition to independence in Namibia.	Walvis Bay is capable of unloading and transporting	2
Description. The anchorage is 5.5 to 14 meters deep	inland an estimated 10,700 tons of break bulk and	
over good holding ground sheltered by a 9-kilometer- long natural sand breakwater. Ships enter the port	container cargo daily. If the cargo is all break bulk, the port's capacity is only 5,600 tons per day. Avail-	
through a channel that is 3,500 meters long, 135 meters wide, and over 10 meters deep.	able storage capacity is 38,215 tons, and clearance capacity is 46,750 tons per day by road and rail.	2
	Storage adjacent to the quays consists of 4,200 square	2
The wharf has an alongside depth of 10 meters and an easily dredged sandy bottom. The port has 1,375	meters under cover in three transit sheds and open storage. The container storage area has a capacity of	
meters of commercial berthing for general cargo, container, and Ro/Ro vessels. The wharf is equipped	about 575 TEU, with an additional 100 TEU in open lot.	2
with 20 portal jib cranes with a lifting power of		2
between 3 and 15 tons, plus two overhead gantry cranes of 25-ton capacity used to stack containers. A		
synchrolift capable of lifting a 2,000-ton vessel is used		
Secret	72	

by the South intal agency, icity in March for military in the civilian ind the small, 80 kilometers 25X1 25X1
industry until irtually disap- hat time and but by March ies had re- hin home- 25X1
ity and opera- 25X1
are available in the segre-
s) and Kuiseb- btaining the ould require The port has nization in
25X1
25X1 5 million
le at the quay
e South
(MPU), which 25X1
ance disposal. 25X1
ion Group—a
some armored 25X1
enclave in the 25X1
to the east at
or is controlled
sabotage has
guerrillas have
en Walvis Bay
Windhoek.
25X1
er a gy the grant of a sk o o o o o o o o o o o o o o o o o o

		25X
The South African Navy operates radar and surveil-	The two largest airfields in Namibia serve the capital	
lance equipment and maintains a 24-hour communi-	city of Windhoek and the major logistics base at	
	Grootfontein. These airfields ensure that South Afri-	25 25
lance equipment and maintains a 24-hour communications watch at Walvis Bay	Grootfontein. These airfields ensure that South Africa can reinforce and supply its forces in northern Namibia rapidly to counter any likely threat to the	25) 25)
lance equipment and maintains a 24-hour communications watch at Walvis Bay reinforcements could arrive by air or sea from South Africa. Pretoria's forces include three diesel attack	Grootfontein. These airfields ensure that South Africa can reinforce and supply its forces in northern Namibia rapidly to counter any likely threat to the territory. UN forces supervising a transition to independence in Namibia probably would use both air-	25)
lance equipment and maintains a 24-hour communications watch at Walvis Bay reinforcements could arrive by air or sea from South	Grootfontein. These airfields ensure that South Africa can reinforce and supply its forces in northern Namibia rapidly to counter any likely threat to the territory. UN forces supervising a transition to inde-	25) 25)
reinforcements could arrive by air or sea from South Africa. Pretoria's forces include three diesel attack submarines and eight missile boats, and its most	Grootfontein. These airfields ensure that South Africa can reinforce and supply its forces in northern Namibia rapidly to counter any likely threat to the territory. UN forces supervising a transition to independence in Namibia probably would use both airfields, as well as many of the secondary airstrips in the north. Description. J. G. Strijdom Airfield can accommo-	25) 25) 25)
reinforcements could arrive by air or sea from South Africa. Pretoria's forces include three diesel attack submarines and eight missile boats, and its most capable interceptor is the Mirage III. J. G. Strijdom Airfield (22°29′ S. 17°28′ E.,	Grootfontein. These airfields ensure that South Africa can reinforce and supply its forces in northern Namibia rapidly to counter any likely threat to the territory. UN forces supervising a transition to independence in Namibia probably would use both airfields, as well as many of the secondary airstrips in the north.	25) 25)
reinforcements could arrive by air or sea from South Africa. Pretoria's forces include three diesel attack submarines and eight missile boats, and its most capable interceptor is the Mirage III.	Grootfontein. These airfields ensure that South Africa can reinforce and supply its forces in northern Namibia rapidly to counter any likely threat to the territory. UN forces supervising a transition to independence in Namibia probably would use both airfields, as well as many of the secondary airstrips in the north. Description. J. G. Strijdom Airfield can accommodate aircraft of any size. Its two asphalt runways	25) 25) 2 25)
reinforcements could arrive by air or sea from South Africa. Pretoria's forces include three diesel attack submarines and eight missile boats, and its most capable interceptor is the Mirage III. J. G. Strijdom Airfield (22°29′ S. 17°28′ E.,	Grootfontein. These airfields ensure that South Africa can reinforce and supply its forces in northern Namibia rapidly to counter any likely threat to the territory. UN forces supervising a transition to independence in Namibia probably would use both airfields, as well as many of the secondary airstrips in the north. Description. J. G. Strijdom Airfield can accommodate aircraft of any size. Its two asphalt runways	25) 25) 2



assified in Part - Sanitized Copy Approved for Release 2011/12/28 : CIA-RD Secret	P88T00768R000300360001-4
Secret	J
	· ·
Grootfontein Airfield could accommodate approxi-	
mately 88 sorties of C-141 aircraft delivering 3,710 tons of cargo each day. It could handle 240 sorties of	J
C-130 aircraft and 3,115 tons of cargo daily.	25X1
Fuel Storage. J. G. Strijdom Airfield can store an	Ç.)
estimated 6,900 barrels of A-1 jet fuel, which is	(7
dispensed by a hydrant and truck system. The esti- mated fuel storage at Grootfontein Airfield is 63,800	
barrels; the dispensing system is hydrant and truck.	
· ·	25X1
Activity. Both military and civil flights from South	••••
Africa land at Strijdom and Grootfontein Airfields.	(3)
The rail line from South Africa passes through Wind-hoek to terminate at Grootfontein, so most heavy	-
cargoes arrive by rail. Troops destined for the border,	0574
however, have been observed arriving at Grootfontein by air from South Africa.	25X1
The logistics command at Grootfontein distributes	
men and supplies by truck to the military units throughout the northern border region.	25X1
imoughout the northern border region.	25/1
Defense. South Africa provides all air defenses in Namibia. South Africa's best interceptor—the Mi-	• •
rage III, armed with air-to-air missiles—is not nor-	
mally based in the territory but can be deployed there	•
quickly. Pretoria also has older Mirages and indige- nously built Impala fighter-bombers.	25X1
Convert former in accoming to the L.C. Shaildann and	
Ground forces in proximity to J. G. Strijdom and Grootfontein Airfields include an understrength bri-	
gade of territorial reservists headquartered in Wind-	b
hoek and South African and territorial units assigned to the major logistics base at Grootfontein. Sufficient	·
combat forces to secure both airfields could deploy	
quickly from the northern border area or South Africa itself.	25X1
	25.1
	÷
	,

Figure 53

Angola

Overview

President Jose Eduardo dos Santos has ruled Angola since September 1979, following the death of Agostino Neto, the founder of the ruling Popular Movement for the Liberation of Angola (MPLA). Dos Santos, who lacks the charisma and reputation of Neto, faces heightened antagonisms between the country's blacks and mulattoes, worsening economic difficulties, and social unrest, in addition to South African incursions and an expanding civil war.

Despite the country's problems, dos Santos not only has retained power but also has significantly expanded his control over the MPLA through skillful political maneuvering and balancing of factions in the leadership. We believe that his Marxist regime remains firmly tied to the Soviets and Cubans, although Angola has attempted to adapt the structure of his national Communist regime to local conditions.

Angola's civil war has dragged on for over 10 years with no end in sight. The belief of the ruling party that it would be able—with Soviet and Cuban backing—to defeat the guerrillas of the National Union for Total Independence of Angola led by Jonas Savimbi has been shaken by the insurgents' continued success. The dos Santos regime controls the urban centers but has been unable to subdue UNITA in the countryside. In our opinion, the insurgents still appear to have the momentum and are increasingly capable of urban attacks. They cannot, however, dislodge the MPLA from the cities or force dos Santos to the negotiating table.

Since 1976, we estimate that the USSR has delivered over \$2.6 billion in arms to Luanda, making Angola the sixth-largest recipient of Soviet weapons in the world. Moscow sharply increased military sales to Angola in recent years, following stepped-up UNITA operations and South African incursions into southern Angola. There are now some 1,200 Soviet and 500 East European military advisers in Angola. In addition, there are some 36,000 Cuban troops and military advisers as well as an additional 6,000 Cuban civilian advisers and technicans.

Angola pays for most of this assistance in hard

Selected Ports and Airfields in Angola KINSHASA liebo ZAIRE South Atlantic Ocean Huila ZÁMRIA Lubango Cunene NAMIBIA BOTSWANA Tsumeb oundary representation is of necessarily authoritati (b) Port Road Diamonds Airfield Railroad Petroleum Government forces Military Region UNITA-held area Selected province boundary 200 Kilometers 200 Statute Miles 706537 (A05789) 6-86

currency earned from its petroleum industry. Although there is some dissatisfaction in both the military and party leadership about Angola's strong ties to its Communist allies, we believe most government officials recognize that the MPLA would collapse without Moscow's and Havana's support.

Namibe (Mocamedes) Port (15°11′ S. 12°08′ E.,

25**X**1

25X1

25X1

25X1

25X1

25X1

25X1 25X1

77

Secret		
		25X
		2
Luanda Port (08°47′ S. 13°14′ E.,	Description. Namibe is a natural coastal harbor.	2
Angola's deepwater port at Namibe is located on the southern coast of Angola, 340 kilometers southwest of	Much of Baia de Namibe (Namibe Bay) is too deep for anchorage, but the shallower southeastern sector	
Lobito. Located at the edge of the desert on the southeastern shore of a large shell-shaped bay, it was,	has good holding ground of mud. The bay is easily approached from the north, although there are no	
prior to independence, Angola's leading facility for	warning lights on the Baixo Amelia sandbank to the	_
iron ore exports from the now closed Cassinga mine. Today, seaborne deliveries of Soviet weapons and	south.	2
military equipment arrive at Namibe to supply Angolan and Cuban forces stationed in southern Angola	General cargo facilities are located at Namibe port; and ore, petroleum, and fishing facilities are 7.2	
near the insurgent-dominated southeast and the border with South African-occupied Namibia.	kilometers to the north at Porto Saco. General breakbulk cargo is handled at a 917-meter quay with	
	depths alongside of 6 to 10 meters. The ore facility at	;
Luanda's deepwater harbor, located 290 kilometers south of the Congo River delta, is Angola's major port	Porto Saco is 325 meters long with 19-meter-deep berths alongside. Namibe has eight portal jib cranes	
of entry and principal naval base. A 10-year insurgency has disrupted the transportation network and has	and Porto Saco has a 3,500 ton-per-hour ore loader and three POL pipelines. Two transit sheds provide	
isolated the harbor and capital city from much of the Angolan interior. Nonetheless, the congested port		
handles most Angolan foreign trade, deliveries of		
Soviet military equipment, and support of Cuban and Angolan combat forces.		2
Secret	78	

Secret

adjacent to the quay, while two other storage sheds add another 3,300 square meters. There also are two large cold storage buildings and 15 hectares of open space for vehicle parking and bulk cargo offloading. Two all-weather roads connect the port with Tombua 94 kilometers to the south, and Kuvango, 722 kilometers to the east. A narrow-gauge rail line runs 756 kilometers east to Menongue. Two airfields near Namibe can handle aircraft up to AN-26 or C-130 in	as a gateway to the southwestern provinces of Huila and Cunene, a region housing large government forces and subject to increasing insurgent attacks. The port is connected by rail and road with Lubango, where there is a major Angolan airbase and garrisons for Angolan, Cuban, and SWAPO insurgent forces. SWAPO bases in southwestern Angola have been the targets of South African incursions, while Angolan forces have engaged UNITA guerrillas operating in the area. The railway segment from Namibe to Lubango provides a vital conduit for military supplies and equipment destined for Angolan and Cuban troops in the south.	25X1 25X1
tidal harbor, naturally sheltered by a long narrow sandspit. The approach to the harbor is unobstructed with a fairway width of 2.7 kilometers and a minimum depth of 27.5 meters. Anchorage is well protected and 22 to 30 meters deep over good holding ground of mud and sand. The commercial cargo area offers 2,150 meters of berthing alongside one mole and two quays. An offshore POL terminal has two sets of mooring buoys	Most Soviet military aid arrives at Luanda harbor, some of which is then transshipped to ports farther south. The former Portuguese naval base adjacent to the harbor is the primary naval installation used by the Soviet West African naval forces. At least one Soviet naval vessel, usually a guided-missile destroyer, a landing ship, or a minesweeper, has been stationed at Luanda since 1982, and a repair ship is often moored there as well. Major combatants, which are not part of the West African naval patrol, regularly visit Luanda. These have included nuclear-powered attack submarines, a guided-missile cruiser, and a	25X1
	Kiev-class aircraft carrier.	25X1
The port accommodates container traffic and Ro/Ro vessels, but equipment shortages hamper efficient operation. Although the quay has 40 cranes with capacities of 3 to 10 tons, several lighter mobile cranes, and 76 forklifts, much of the equipment has deteriorated beyond repair. A new container terminal and warehouse were still under construction in early	Activities. A major port since the 16th century, Luanda harbor's importance to the Angolan Government has increased with civil unrest and economic deterioration caused by a decade of insurgent warfare. UNITA has attacked economic targets throughout the country, and insurgents or South African commandos severely damaged Angola's only petroleum refinery at Luanda in late 1981. In early 1984, they sank two ships in Luanda harbor. Moreover, the	25X1
	Angolan economy has not recovered from the loss at independence of the skilled Portuguese labor force.	25X1
Overland routes from the port include two all-weather roads southeast to Dondo and northeast to Caxito and a narrow-gauge rail line east to Malanje. Nearby Luanda Airfield is a modern commercial and military	Food imports by sea are essential to support Luanda's approximately 1.2 million population, which has nearly tripled since 1970. The port is less critical to the	25X1 25X1
Patterns of Access. Since the closure of the Cassinga iron mine and decline of the fishing industry in the mid-1970s, Namibe's strategic importance has been		20/(1



Secret

petroleum industry—because operations are mostly offshore at Angola's exclave of Cabinda 380 kilometers to the north—or to the diamond industry, which exports mostly by air. Exports of cement and textiles,	for troop deployment and logistic resupply for the counterinsurgency effort against UNITA guerrillas in southwestern Angola.	25X1
however, depend upon the port. Defenses. The Angolan Navy makes limited use of	Description. Luanda Airport is adjacent to downtown Luanda and can accommodate military and civilian aircraft of any size. There are two asphalt runways,	25 X 1
Namibe, although there is no permanent naval base there. The Soviets have installed coastal surveillance radars, and the port is defended by two SA-3 missile sites, part of the air defense system along the	the larger measuring 3,740 by 46 meters. Luanda also has 26 revetted hardstands. The largest apron measures 730 by 230 meters. Facilities include a control tower, radar, and VOR and ND13 navigational	25X1
Namibe-Menongue rail line.	beacons.	25 X 1
At Luanda, Angola maintains a naval force of about 40 patrol boats and landing craft, and about 1,500 to 2,000 troops. The force includes six Osa-class missile delivered by the Soviets in 1982-83. The Soviets have also provided coastal surveillance radars located at Luanda and nearby Cabinda. In 1984, SA-3 missile	Air approaches from all directions are generally favorable except during the annual wet season, which lasts from October to April, when frequent thunderstorms, turbulence, and aircraft icing create hazardous flying conditions. Commercial air service to Luanda includes scheduled flights by Aeroflot and Cubana,	
sites were established in the Luanda area.	as well as the Angolan national airline, TAAG.	25X1
Luanda Airport (08°51′ S. 13°14′ E.,	A four-lane all-weather road connects the airfield and the adjacent Luanda city. Luanda's major deepwater port and naval base are nearby at Baia de Luanda	25 X 1
Lubango Airfield (14°55′ S. 013°34′ E.,	(Luanda Bay), and a narrow-gauge railway runs east to Malanje.	25X1
Luanda Airport is Angola's principal military and commercial airfield and also serves as the primary gateway for Cuban troops arriving from Havana. The airfield is also the assembly point for Soviet-supplied military aircraft, including MIG-21, SU-22, and MIG-23 fighters, and MI-8, MI-17, and MI-25 helicopters. Since the interdiction by guerrillas and deterioration of the land and rail transportation system, air transport has emerged as the primary means to equip and resupply isolated Angolan and Cuban military garrisons, which puts a heavy burden on Luanda Airport.	Lubango is the country's primary tactical fighter base in southern Angola and its only airfield with hardened aircraft shelters. There are two asphalt runways, the largest measuring 2,385 by 30 meters. Eight hardened aircraft shelters and 52 revetted hardstands are adjacent to the main runway to provide parking space and to protect the aircraft from attack. Facilities at Lubango Airfield include a control tower, an aircraft maintenance area, and ground-controlled approach radar.	25X1 25X1 25X1 25X1 25X1
Lubango, capital of Huila Province in southwestern Angola, is a key Angolan Army garrison and head-quarters for Angolan and Cuban forces in Military Region Five. The airfield at Lubango is the primary tactical fighter base in southern Angola and the regional air defense headquarters. The Namibian insurgent group (SWAPO) maintains its headquarters and support bases nearby. Lubango is also the center	An all-weather road from the airfield leads to the nearby Namibe Railway and the deepwater port at Namibe. The railway extends 750 kilometers eastward across southern Angola and is the primary means of supporting Angolan and Cuban forces in the south. Most military supplies for the region arrive at the port at Namibe, approximately 150 kilometers west of Lubango.	25X1



	Secret	
Fuel Storage. Luanda Airport has facilities for the storage of approximately 12,600 barrels of POL at the military location. Approximately 10 kilometers northeast of the airfield are facilities for an estimated 19,000 barrels of POL. The civilian facility has an unknown fuel-storage capacity. Luanda has Type-A and JP-4 jet fuel available. Approximately 9,800 barrels of POL are available at Lubango Airfield with	technicians remain permanently at Luanda Airport to assemble and service the newly acquired military aircraft. Soviets and Cubans probably maintain complex equipment at nearby radar and SAM sites, and the Cubans pilot and maintain most of Angola's more advanced aircraft. At least 11 Soviet AN-12 Cub transport aircraft have	25
an additional 3,100 barrels located at an adjacent facility. Type-B jet fuel can be obtained at Lubango. **Activity.** Soviet deliveries of high-performance fighter aircraft and attack helicopters, which are assembled at Luanda prior to deployment to regional airfields, increased dramatically in 1984. Soviet and Cuban	been permanently stationed in Luanda since 1983. Soviet TU-95 Bears periodically deploy to Luanda, accompanied by an IL-62 Classic carrying support	2
83	Secret	

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28 : CIA-RDP88T00768R000300360001-4

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28 : CIA-RDF Secret	P88T00768R000300360001-4
	L-J
	г
	L
personnel. The Bears fly reconnaissance missions over	
the South Atlantic Ocean.	25X1
Lubango is a major base for Cuban combat and	\Box
support personnel, and most ground combat units there are believed to be Cuban. MIG-21s have been	L
stationed at the airfield since 1978 while MIG-23	
Flogger aircraft were deployed to Lubango in July 1984, the first operational deployment in Angola	ب
outside of Luanda. about 30 MIG-21s and 10 to 15 MIG-23s at Lubango.	25X1
	25 X 1
Defenses. Defenses in the Luanda area have improved	اس
since late 1983 when the insurgents began to increase operations in the northern part of the country.	<u></u>
UNITA guerrilla attacks on towns near Luanda, mining of the harbor in 1984, and continued downing	e-i
of power lines to the city have resulted in a strength-	_
ening of security forces in the region. A new Cuban brigade is still forming just outside Luanda. Air	-
defenses have also been improved. Three SA-3 missile sites have been deployed near Luanda—one was	
installed at the airfield in January 1984.	25X1
Lubango Airfield has MIG-21 and MIG-23 intercep-	-
tors; air warning and ground-control intercept (GCI) radar; fixed SA-2 and SA-3 surface-to-air missile	
sites; SA-6, SA-9, and SA-13 mobile air defense	05.74
missile systems; and antiaircraft guns.	25X1
	_
	en
	J
	• 11

Zimbabwe

Overview

Since independence in 1980, Prime Minister Mugabe and his ruling Zimbabwe African National Union (ZANU) have slowly moved toward transforming the country into a socialist society. The government easily defeated opponents in the country's first postindependence election in July 1985 and increased its parliamentary majority. Mugabe now is moving to eliminate all traces of political opposition in order to install a one-party state and to allow a more activist government role in directing economic development.

ZANU has felt little restraint in its efforts to destroy the Zimbabwe African People's Union (ZAPU)—the main opposition party—as a political force. Heavy-handed government tactics over the past three years aimed at undermining popular support for ZAPU have helped fuel an armed dissident movement in western Zimbabwe. The unrest, however, does not pose a direct threat to the stability of the central government.

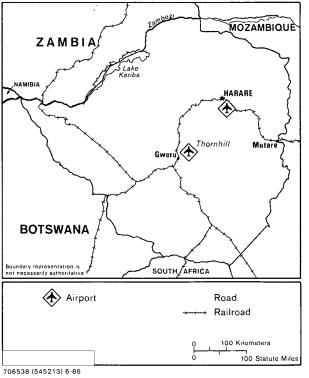
During the summer of 1985, Zimbabwe increased its military presence in central Mozambique to about 9,000 men, following Maputo's request for assistance against antigovernment guerrillas, and began undertaking offensive operations. Senior Zimbabwean military officers and political leaders have expressed concern over their country's expanding involvement in the Mozambican insurgency and in early 1986 urged a reassessment of such operations. A widening of Harare's role in Mozambique also risks stimulating Mozambican insurgent attacks on Zimbabwe's vital supply and transportation lines.

Harare Airport (17°55′ S. 31°06′ E.,

Thornhill Air Force Base (19°26' S. 29°52' E.,

Harare Airport, Zimbabwe's primary international airport, and Thornhill Air Force Base are the two main bases of the Zimbabwean Air Force. Harare Airport serves the capital and could handle aircraft of any size. Thornhill Air Force Base—near Gweru—about 200 kilometers southwest of Harare, could

Figure 58
Selected Airfields in Zimbabwe



accommodate C-130 aircraft. Both are about 800 kilometers inland from the coast and could be valuable in conducting airlift operations to or through southern Africa.

Description. Harare Airport has two asphalt runways measuring 4,936 by 49 meters, and 1,358 by 46 meters,

The civilian area includes one large concrete parking apron, 15 smaller aprons, a terminal building and control tower, 18 hangars, and at least 57 support buildings. The military support area has a large concrete and asphalt apron, an operations building and control tower, 10 hangars, seven small aircraft shelters, and at least 41 support buildings. The ammunition facility includes 15 revetted buildings and nine unprotected support buildings.

25**X**1

25X1

25X1

25**X**1

. I

5**X**1

OXΊ

25X1

Secret



	Secret
The airfield could handle about 40 sorties daily of C-5	Thornhill Air Force Base has two parallel asphalt runways measuring 2,662 by 36 meters and 2,371 b
aircraft delivering about 2,790 tons of cargo. Alternatively, it could accommodate about 88 sorties of	31 meters. The longer runway has paved overruns of
C-141 aircraft (and 3,710 tons of cargo) or 160 sorties of C-130 aircraft (with 2,080 tons).	49 and 200 meters, and there are four grass runway of 1,256 meters or less. Parking facilities include tw
tower-mounted	aprons, seven helicopter pads, and two taxiways. Structures include a multibuilding administrative
air traffic control radar and a tower-mounted proba-	25X1
ble IFF radar. The field also has an ILS system and	20/(1
marker beacons.	25X

<u>~</u>-

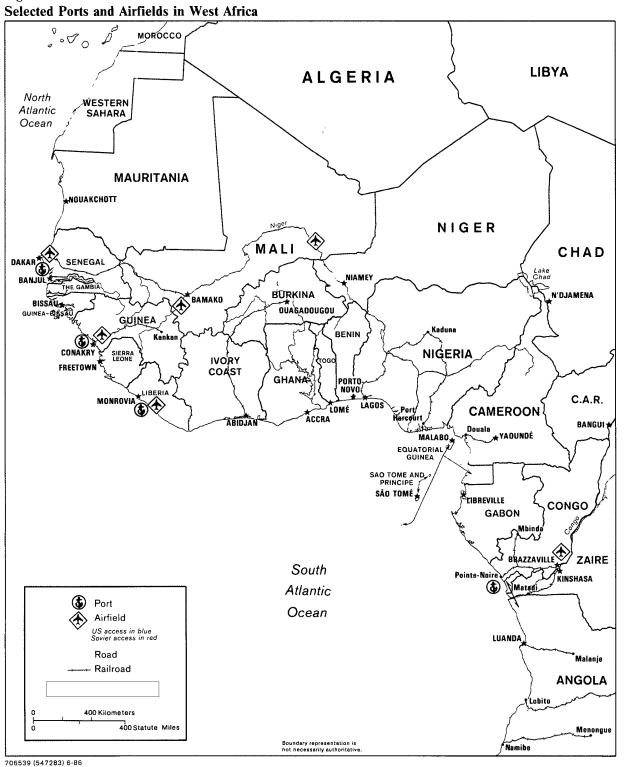
---/

L__/

Declassified in Part - Sanitized Copy Approved for Rele	ease 2011/12/28 : CIA-RDP88T00768R00030036000	1-4
Secret		
		L
		س
		<i></i>
compound, an operations building and control tower,	The Zimbabwean Air Force still has not recovered	
nine large hangars, 12 barracks, two probable ware-	from the sabotage in July 1982 of 13 aircraft (nine of	لسا
houses, one security building, and about 70 support buildings. A revetted ordnance storage area at the	them destroyed) at Thornhill Air Force Base. Zim- babwean officials blamed the incident on dissident	\Box
airfield includes a large headquarters building, nine administrative buildings, and about 70 family housing	white officers aided by South Africans. Pakistani Air Force officers were invited to take over most com-	سا
and barracks. The field is equipped with a VOR	mand and supervisory positions in the force, and	25X1
beacon, marker beacons, and ILS	Pakistani pilots were doing most of the flying as of January 1985, but now have departed, according to	23/1
Fuel Storage. Harare Airport has a petroleum storage compound consisting of 14 tanks of various sizes plus	the US Embassy. A British firm was maintaining the aircraft.	25 X 1
drum storage, with an estimated storage capacity of		ا ۵۸۸
at least 42,000 barrels. Thornhill has a fuel storage area with both partially buried and aboveground tanks with an approximately 7,475-barrel capacity.	Defenses. Zimbabwean air defense aircraft had cannons but no air-to-air missiles or aircraft-mounted radars in late 1984. Zimbabwe has few qualified	
	pilots. Antiaircraft artillery positions are visible at	25 X 1
Activity. As Zimbabwe's primary international air-	both airfields.	25 X 1
port, Harare Airport offers commercial service to Africa and Europe. The military portion of the field,		
known as New Sarum Airbase, is concerned primarily		1 3
with transport, bomber, and helicopter operations. Assigned units are equipped with one to three Canber-		
ra light bombers, 20 to 25 transports (C-47, Islander,		- 1
and Casa 212 aircraft), and 30 to 40 helicopters (Allouette IIIs and some Augusta Bell 205 and 412		
models). A Hunter fighter-bomber was seen in April 1985 for the first		25X1 25X1
time; Hunters are normally seen only at Thornhill Air		25/1
Force Base.		25X1
Thornhill is the nation's other Air Force base and is		
concerned with fighter-bomber, training, and light transport operations. Aircraft assigned there include		
one to five Hunter fighter-bombers, about two Hawk	1	
jet trainers, one to five Marchette SF-260 trainer/ light-strike aircraft, nine Cessna FTB-337G light	t	
ground-attack aircraft, and a few utility aircraft.		0EV4
		25 X 1
		-
		-
		•••
		∟
		دع
Secret	88	اسما
		()

-	Declassified in Part - Sanitized Copy Approved for Release 2011/12/28	: CIA-RDP88T00768R000300360001-4

Figure 61



Reverse Blank

89



West African Ports and Airfields

Senegal

Overview

Senegal's location on the bulge of West Africa astride important mid-Atlantic air and sea lanes and its moderate pro-Western political orientation in a volatile region make it important to France and the United States. Senegal has long been one of the strongest and most vocal opponents of Soviet, Libyan, and Cuban interference in Africa. Predominantly Islamic, Senegal is relatively stable, although President Diouf's popularity has declined in the face of chronic economic problems, generational conflicts within the ruling party, and some Islamic fundamentalist ferment that Libya seeks to exploit. Diouf counts heavily on extensive economic and military ties to France to maintain stability. Senegal's apolitical armed forces are one of the best trained and disciplined in Sub-Saharan Africa.

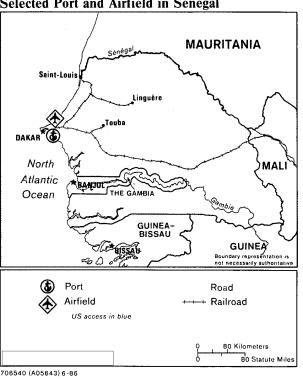
Military cooperation between Senegal and France has remained virtually unchanged since independence in 1960. France maintains naval, air, and ground forces at Dakar's port and air facilities. A mutual defense agreement calls for Paris to intervene at Dakar's request if the country's security is threatened. According to the US Embassy, after Senegal sent troops into The Gambia—an enclave of Senegal—in 1981 to crush a Marxist-led coup, Diouf received President Mitterrand's assurance that France would honor the defense treaty if Senegal invoked it.

Dakar Port (14°41' N. 17°26' W.,

Dakar is the second largest port on Africa's west coast (after Lagos, Nigeria). It is midway on main maritime routes from Europe to South America and from New York to Cape Town, South Africa. The port handles most of the country's imports and exports as well as virtually all of neighboring, and landlocked, Mali's trade. Dakar is also the main naval logistics and communications base for France in central and western Africa.

Description. The approach to the harbor is free and clear, although two wrecks are located just outside it. Buoys mark both wrecks and neither is a hindrance to

Figure 62
Selected Port and Airfield in Senegal



navigation. The entrance into the port is made on a westerly course between breakwaters about 250 meters apart. Dakar is an improved, natural harbor formed by two breakwaters aligned north and south to afford excellent protection. The harbor is approximately 1.9 kilometers long and 1 kilometer wide with depths ranging from 3 to 12 meters, enclosing about 200 hectares. The port has excellent anchorage over a good holding ground of sand and gravel, and can accommodate any size ship. Silting presents no significant problems because dredging is performed routinely to maintain the channel and alongside depths. Tidal currents are weak within the harbor, and swell is only a minor problem in the port during the June to November rainy season.

25X1 25X1

25X1

25X1

25X1 25X1

Secret

Secret		
		2
		4
The port has just over 11,000 meters of deepwater	square meters reserved for storage of peanuts—	
alongside wharfage containing 55 berths in excess of	Senegal's principal export. In addition, two 50,000-	
5.5-meter depths and another 31 berths for smaller ships to depths less than 5.5 meters. Although some	ton storage sheds for phosphate ore are located on the north mole. Open storage for break-bulk cargo is	
quayside cranes and special handling equipment exist in Dakar, the vast majority of alongside berths,	available but limited. Dakar has 3.7 hectares of dedicated container stacking space. Several cold stor-	
including some of the container berths, require the	age buildings provide almost 15,000 cubic meters of	
ships' own gear for cargo handling; therefore, most ships calling at Dakar are self-sustaining container	storage space, including modern icemaking and ice- crushing equipment.	2
types. Harbor equipment includes five cranes of 6-ton capacities; two heavy-lift floating cranes rated at 60	Dakar's estimated military port capacity is 39,000	
and 120 tons; and four harbor tugs, of which two are operational.	tons per day of break-bulk and container cargo unloaded in 20 effective working hours. However, the	2
	use of roll-on/roll-off ships would significantly in-	4
The port has ample and diverse storage facilities. Covered storage includes 46,500 square meters of	crease this capacity. The port is cleared by a well-maintained, two-lane bituminous-surface highway	
space in 13 buildings. Eleven of the buildings are dedicated to break-bulk cargo, while the remaining	and double-track, narrow-gauge rail line, the main route of the Senegalese railroad system.	,
two buildings have a combined storage area of 4,500	, <u>.</u>	4
Secret	92	

Dakar Marine, the largest shipyard, provides the port with extensive ship repair facilities as do two smaller drydocks. The largest repair asset is a recently installed, Norwegian-built floating drydock. It has a lifting capacity of 28,000 tons and can accommodate	C-141 and C-5 aircraft and also can support C-130 aircraft at maximum gross takeoff weight. The airfield is equipped with ILS, VOR, HF communications, inner marker beacons, and approach lights.	25 X 1
a ship up to 80,000 dwt.	Fuel Stange DOI storage is evailable adjacent to	25X1
Fuel Storage. Total crude storage at the refinery for Dakar is 525,000 barrels, and the total refined products storage at 13 locations throughout the area may be as high as 3.1 million barrels if all the locations are	Fuel Storage. POL storage is available adjacent to the main passenger terminal. Two aboveground fuel storage tanks can hold about 23,800 barrels while the capacity of a colocated underground storage facility is unknown.	25 X 1
used for this purpose. Bunkering is available at all POL offloading berths and at the naval base, with delivery rates of 2,200 barrels per hour for fuel oil and 2,600 barrels per hour for diesel oil. Two bunkering	Activity. French maritime air patrols stage from Dakar. Dakar/Yoff airport was used for refueling by British aircraft during the Falklands war, and in 1983	23/1
barges are available with delivery rates of 1,630 barrels per hour. Defenses. The former French naval base at the port is	Senegal permitted US military aircraft to transit the airport on the way to Chad. The United States has ad hoc landing rights for naval air surveillance of Soviet naval task forces in the Atlantic, and Dakar Interna-	25 X 1
now the sole naval operating base of the Senegalese	tional Airport is a designated emergency landing site	
Navy. France maintains a 450-man force at Dakar harbor with one sea-reconnaissance aircraft. The 762-	for the US space shuttle under a 10-year agreement signed in 1983.	25 X 1
man Senegalese Navy is capable of guarding coasts		
and protecting fisheries within the 12-mile limit of the country's territorial waters.	Defenses. Yoff is surrounded by a 2-meter-high wall broken intermittently by barbed-wire fence and is occasionally patrolled by armed police in vehicles.	25X1
Soviet trawlers operate illegally in Senegalese waters but, by staying near maritime borders disputed with Guinea-Bissau, they diminish their chances of being caught. In addition, there is some evidence to suggest	There are one or two armed policemen at each entrance. On the civilian side of the airport, the 20- to 30-man airport brigade of the National Gendarmerie, headquartered on airport property, provides security.	
that the Senegalese are reluctant to arrest Soviets	The crack Intervention Group of the National Gen-	
violating their territorial waters because they fear the loss of revenues gained by repairing Soviet trawlers at	darmerie (GIGN) can arrive at the airport within the hour with heavy weapons and armored cars.	25X1
Dakar Marine.	On the military side of the field, the French man the	25 X 1
Dakar/Yoff Airport (14°44' N. 17°29' W.,	watchtower and security patrols. French forces in-	
` .	clude a 400-man air force unit with four transport	25X1
Dakar/Yoff, the primary international airfield for	aircraft, helicopters, and four Jaguar fighter aircraft.	
West Africa, is a principal crossroad for air traffic	In addition, there is a 500-man ground force located	
between Africa and Europe, South America, and North America. The airfield is about 12 kilometers	at Dakar/Yoff Airport. This force is 50 percent mechanized and 50 percent armored.	25 X 1
northwest of the Senegalese capital of Dakar.	meenanized and 50 percent armored.	25X1
Description. The airfield consists of three asphalt		

93 Secret

runways. The largest and main runway measures 3,472 by 44 meters. In 1980 the main runway and taxiway were strengthened, upgrading them to accept Boeing-747 and similar aircraft. It can accommodate



Guinea

Overview

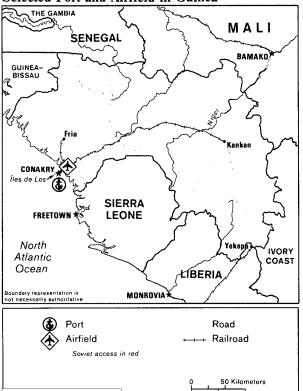
President Conte, who seized power in 1984 after the death of former President Toure, is wrestling with the legacy of economic decline, ineffective socialist policies, and political repression left by his predecessor. Conte's prospects, since he suppressed a coup in July 1985, now rest on his ability to articulate a clear policy of economic reform and to diffuse heightened tribal tensions. The attempted coup appears to have made Conte more amenable to economic reform guidelines proposed by the IMF, despite the political risks involved, and to have underscored his need for substantial US and other Western assistance.

The USSR, however, remains the foremost supplier of Guinean military hardware and training, despite the new government's desire to decrease Soviet influence. Moscow uses its military and economic ties to ensure retention of limited access to Guinean air and naval facilities, which are important in supporting the Soviet presence in Angola, the West African naval contingent of the Soviet Navy, and the Soviet fishing fleet in West African waters. Guinea receives very little economic assistance from Moscow, but the Soviets remain fully entrenched in certain lucrative sectors of that country's economy, including the fishing and bauxite industries. Guinea is likely to continue to accept aid from any source so long as it carries no political strings and does not jeopardize its ties to Moscow that date from 1958.

Conakry (09°31' N. 13°43' W., Conakry is the country's only general cargo port, handling virtually all maritime imports and exports. Located on the Ile Tombo, this natural, coastal harbor is connected to the Presqu'ile Camayenne by a landfill and causeway. Two overlaping breakwaters protect the inner harbor which encompasses an area of 208 hectares ranging in depth from 2 to 11 meters.

Description. The seaward approach to the harbor is free and clear, while the approach from the south is between the Iles de Los and the Ile Tombo. The entrance channel has a depth of 9 meters and a width

Figure 65
Selected Port and Airfield in Guinea



of 137 meters. Numerous partially protected anchorage berths are provided 5 kilometers south of the port and east of the Iles de Los in depths of 11 to 15 meters, over fair holding ground of mud and sand.

706541 (A05783) 6-86

The port has about 1,900 meters of quayage and can berth two large and five standard oceangoing ships as well as one small ship. Tankers also dock at the large oceangoing cargo berths. In addition, there is adequate supplemental wharfage for tugs and pilot boats. The largest vessel Conakry can accommodate is 43,000 tons. Harbor equipment includes mobile cranes with capacities ranging from 8 to 45 metric tons; a floating crane with a 50-metric-ton capacity, numerous forklifts with 3- to 10-metric-ton capacity;

25X1

25X1

25X1

25X1 25X1

25X1

Secret		
		25 X ′
a banana conveyor system; two alumina ladders with a 100-metric-ton-per-hour capacity; and one portal	is only one 800-ton capacity slipway owned by the Port Authority for naval ship repairs, but it is rarely	
iron ore ladder with a 1,200-metric-ton-per-hour capacity. There are at least three automotive cranes in	used and may be abandoned.	
the port. At least three tugs with up to 1,600 horse- power are available. Conakry has a military port	Patterns of Access. The USSR gained access to Guinean naval facilities in 1970 by agreeing to estab-	
capacity of 7,000 metric tons per 20-hour working	lish a small naval patrol off the coast to deter invasion	
day.	attempts by exiled Guineans. In the early 1970s, Guinea granted the Soviet Navy logistic support at	
Eighteen buildings provide 32,000 square meters of covered storage area. Open storage consists of a 2-	the port. Conakry is the only West African port routinely used by the Soviets' small, Luanda-based	
hectare tract for iron ore and an 11-hectare expanse	West African naval patrol consisting of five to seven	
for containers. Four silos with a total capacity of about 100,000 cubic meters store alumina. A	ships, although the number and length of ship-days in port have fallen steadily since the mid-1970s.	
standard-gauge railway line with connections to Kan-		
kan and to the Fria mines and paved roads connecting to the national highway system clear the port. There		

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28: CIA-RDP88T00768R000300360001-4 Secret 25X1 25X1 seven naval craft are operable, limiting the Navy's Guinea continues to reject repeated Soviet proposals effectiveness. Moreover, Guinea completely lacks to construct a naval installation on the Iles de Los ship-to-shore communications. The Navy has no base outside Conakry. 25X1 within the port, which forces it to moor its vessels among tugboats and trawlers. Some Guinean naval officers attend Soviet naval schools, and junior officers and enlisted personnel are trained by an incountry cadre of Soviet naval advisers. In 1985, the Navy's defense capabilities were bolstered by a \$3 million US grant to purchase military equipment, Loss of Soviet naval access would somewhat inconvenience Moscow and possibly lead to a including patrol boats. 25X1 search for alternative ports of call such as Cape Conakry Airport (09°34' N. 13°36' W., Verde, Guinea-Bissau, Ghana, and Benin. 25X1 25X1 Conakry, the largest airfield in Guinea and the only Fuel Storage. The total POL storage capacity in the vicinity of the port is about 810,000 barrels. airport of entry, has facilities that can accommodate 25X1 international air traffic, as well as the functions of a Defenses. The 500-man Guinean Navy is charged military airbase. It has a civilian terminal and a with defending the port as well as patrolling the separate military operations area. 25X1 country's 22-kilometer territorial waters limit and 370-kilometer economic exclusion zone. Only two of

Secret

Description. The largest concrete runway, 3,270 by 45 meters, is capable of supporting C-130, C-141, and C-5 aircraft with an estimated daily offloading rate of 2,290, 4,050, and 2,235 tons, respectively. This runway was resurfaced in 1984 and now has new landing aid markers. The total concrete apron area is 76,714 square meters among the three parking aprons. The airfield is equipped with a tower, approach control, VOR, NDB, and VHF/DF. All-weather roads clear the airport, and the port of Conakry is 15 kilometers away. Major drawbacks at the airport include a lack of well-trained ground controllers, poor-quality fuel, and inadequate drainage that makes runway operation difficult during heavy rains. The airport offers only limited repair facilities. These drawbacks, however, do not seem to diminish Soviet interest in access to Conakry.

Fuel Storage. The airport's total storage capacity for all types of fuel is approximately 40,460 barrels at two storage sites at the airfield and one near the port. A-1 jet fuel is available, and the fuel is dispensed by truck.

Activity. During the 1970s, Guinea allowed Soviet TU-95 naval reconnaissance aircraft to use Conakry as a staging area for aerial reconnaissance of US naval activity in the Atlantic. However, mounting Guinean dissatisfaction with the paucity of Moscow's economic and military aid caused Conakry to withdraw TU-95 landing rights in 1977. Since the Soviets lost access to Conakry, they have been forced to stage their reconnaissance aircraft to Luanda via Cuba starting from the Kola Peninsula in the USSR. Luanda is too far south (3,000 kilometers) from Conakry to permit surveillance of Western naval force operations in the central Atlantic. Moscow periodically requests renewed access for TU-95 operations out of Conakry. The Guinean Government also refused transit privileges for Soviet planes transporting Cuban troops to Ethiopia to stem the 1977 Somali invasion.

The Soviets continue to enjoy limited access to Conakry, primarily as a regular transit stop for military transport flights to Angola via Hungary and Algeria. Soviet aircraft typically stop overnight in Guinea for refueling and crew changes before continuing on to Luanda. Planes transiting Guinea include AN-22s, IL-76s, and AN-12s. The IL-76s and AN-12s also are deployed within Angola to support in-country military operations. Soviet IL-62s also use Conakry; they are used to support TU-95 naval reconnaissance deployments to Luanda.

25X1

25X1

25X1

25X1

Defenses. No defenses have been observed.

Secret

Mali

Overview

Mali, one of the poorest countries in Sub-Saharan Africa, suffers from a deteriorating economy stemming from years of inefficient socialist policies and exacerbated by severe drought, according to US Embassy reporting. President Moussa Traore, who seized power in 1968, has loosened ties to the Soviets and improved relations with France and the United States in search of desperately needed economic assistance that Moscow will not provide.

We believe, on the basis of a variety of sources, that Soviet ties to Mali are based upon the provision of arms and military training, party-to-party relations, and student scholarships. The USSR continues to be the only military supplier willing to satisfy Mali's desire for expensive and relatively sophisticated weapons. In our judgment, Soviet military aid is designed not only to curry favor with the Malian armed forces—the key political force in the country—but also to advance Moscow's interest in gaining military access to West African targets of opportunity.

Bamako-Senou Airport (12°32' N. 07°57' W.,

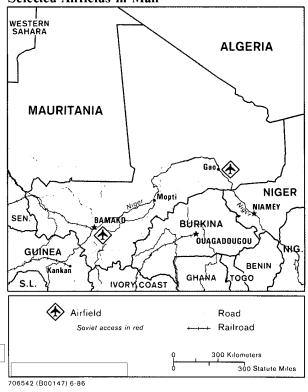
Gao Airfield (16°15′ N. 00°00′ W.,

Bamako/Senou Airport is the main international airport servicing the country. Gao is the most important military airfield in Mali.

Description. The asphalt runway at Bamako measures approximately 2,700 by 45 meters. The five asphalt parking aprons encompass a total area of 73,750 square meters with the largest measuring 343 by 100 meters. The airfield is capable of supporting C-130 and C-141 operations. Air traffic control capabilities include a control tower

A repair hangar, freight warehouse, and six aircraft sheds are available. The airport is serviced by a two-lane bituminous road to Bamako, and a railroad line at Bamako that goes to Dakar, Senegal.

Figure 68 Selected Airfields in Mali



Gao Airfield is currently undergoing expansion with
Soviet aid. For several years the Soviets have been
lengthening runways at the airfield to approximately
3,000 meters—too long for current Malian needs. The
asphalt runway presently measures 2,745 by 45 me-

ters. The two asphalt aprons encompass a total area of about 20,000 square meters with the largest measuring 128 by 98 meters. Navigational aids include a control tower, VOR-DME, and NDB. There are several storage sheds and warehouses in the military support area. The airfield is cleared by a two-lane

bituminous road to Gao. The airfield is capable of supporting C-130 operations with an offloading rate of 210 tons per day.

25X1

25X1

25X1

25X1

25X1

25X1

25X1

Secret

Fuel Storage. Jet fuel is available at Bamako, with a storage capacity for all types of fuel of approximately 23,800 barrels, dispensable by truck or hydrant. A-1 jet fuel accounts for more than 630 barrels of the storage capacity and is dispensable by hydrant. Activity. The Soviet military presence in Mali dates from the early 1960s when about 30 military assis-	in an emergency. For example, in 1975 Mali was among several left-leaning African states that allowed Soviet cargo aircraft to transit their territory when Moscow mounted an arms ferry to Angola to stave off the defeat of the MPLA faction that now rules Luanda.
tance personnel began working with the armed forces. The number of Soviet military advisers swelled to 600 in 1976, but has since declined to the current level of about 150. The USSR could use Mali's two principal	
airfields to transport Soviet arms and supplies to	
client states in southern Africa or even Latin America	



25X1

	ease 2011/12/28 : CIA-RDP88T00768R000300360001-4
Secret	
	ب
	L(
	_
	25X1
Gao Airfield also is protected by Soviet maintained	L-J
missiles, and a Malian Army camp is situated just north of the runway.	25X1
	اسا

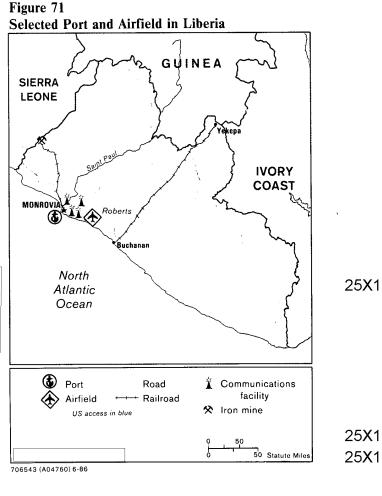
Liberia

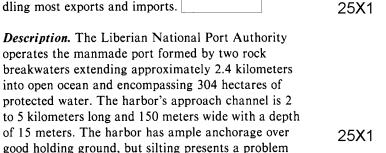
Overview

Liberia's Port of Monrovia and Roberts International Airport—which were built by the United States during World War II—are the only strategic sites in West Africa to which US military forces have the right of access; the United States negotiated special access rights when it turned these facilities over to Liberian control. US military priority access to Liberia's port and airfield could help provide for the rapid staging of US forces into Africa, the Middle East, or Southwest Asia. Communication facilities located in Liberia constitute the largest block of official US assets in black Africa. These assets include a Voice of America relay station serving all of Sub-Saharan Africa as well as parts of the Middle East and Europe;

US private investment in Liberia totals \$430 million—the largest in black Africa after Nigeria.

Liberia has experienced severe economic decline since the mid-1960s and political fragility under Head of State Doe, who seized power in 1980. The political and economic climate in Liberia is likely to remain uncertain and subject to sudden change, even though Doe successfully put down a coup attempt in November 1985 and inaugurated his civilian government two months later. He continues to face a difficult array of political and economic problems that recently have sparked popular protests and grumbling in the military. Most Liberians, including a majority of the military, remain favorably disposed toward the United States, however, which should limit opportunities for Soviet and Libyan meddling in the event of serious instability.





25X1

25X1

25X1

103 Secret

that requires periodic dredging.

Monrovia Port (06°20' N. 10°47' W.

Monrovia is Liberia's primary and largest port, han-



25X1

Secret

Secret

	ort consists of one 582-meter-long commercial with container and general cargo berths. There		25X1
with s POL 1	re three large narrow concrete piers equipped pecialized machinery for loading iron ore. One berth handles large tankers at an offshore ng platform. Ship's gear is mostly employed for	The port handles about 12 million tons of commercial shipping traffic annually and supports the country's agrimineral export opera-	25X1
offload has no	ding containers and break-bulk cargo. Monrovia of floating or portal jib cranes. Port cargo ing equipment is comprised of two iron ore	tions. Some 66 percent of all world shipping is under Liberian flag-of-convenience registry, the world's largest.	25 X 1
50-tor 25 tor	natic loading systems; a fixed jib crane with a n capacity; and mobile cranes with 3, 5, 7, and n capacities. There are four harbor tugs, and two s of unknown capacity are also available.	Fuel Storage. The POL terminal contains a total of 16 tanks of redefined products between them with a combined storage capacity of 34,000 metric tons. In	
Cover	ed storage facilities include four transit sheds	addition, the Liberian Petroleum Company can provide another two tanks with a total storage capacity of 47,800 metric tons. Diesel fuel and a variety of fuel oil	25 X 1
adjace of spa	ent to the quay, affording 16,300 square meters ce; and seven storage silos, each with a 2,500-	blends are available in the port.	25X1
rubbe the pois 2,30 effecti hard-s lines s single	c-ton capacity, devoted to the storage of latex r. There are 25.5 hectares of open storage within ort. Monrovia's estimated military port capacity 00 metric tons of cargo per day, unloaded in 20 live working hours. The port is cleared by two surfaced roads and two rail lines. The two rail serve only the iron ore pier; one standard-gauge track extends to the Bong iron ore mines while her, a narrow-gauge line, continues inland to the	Defense. The Port of Monrovia is protected by a security force employed by the National Port Authority and by the Liberian National Coast Guard (LNCG) whose main base is located there. The force does not have its own pier, however, and all of the Coast Guards' six patrol craft are out of service because of a lack of spare parts and proper maintenance. Even when the craft are operational, they are not sufficient to protect the country's 370-kilometer	
Sierra Ship i drydo draft	repair facilities are limited to one small floating ck capable of lifting 250 tons, with a maximum of 2.4 meters and a synchrolift of 250-ton ity owned by a private fishing company.	economic zone and are limited to harbor patrol operations. The boats cannot effectively patrol areas more than 90 kilometers off the coast because they lack seakeeping ability for periods longer than two to three days. Consequently, Liberia relies on the monitoring of radios from friendly ships as a means of guarding	25X1
proble	ort has been plagued by a number of serious ems. Management over the past several years een ineffective, the marginal wharf is rapidly	its territorial waters. Liberia's Coast Guard has close ties to the US Coast Guard which provides all new officers with basic officer training in the United States. Liberian army units are stationed in and around the city of Monrovia, but none are posted at	25X1
ages a	orating, and equipment and spare parts shortabound. The Liberian Government proposed a	Roberts International Airport (06°14′ N. 10°22′ W.,	25 X 1
group	or rehabilitating the port in February 1985 to a of prospective financial donors, but the outcome		25 X 1
	orating economic situation.	Roberts International, located 50 kilometers southeast of Monrovia, is the country's main civilian airfield and its chief port of entry. The airport provides	25 X 1
			25 X 1

at the field. Fuel Storage. The recent completion of a new 4,760-	Airport is lax. The civilian field is protected by a private contingent of 75 local security guards hired by the airport and augmented by 20 Liberian army	
control, VOR-DMO, and ILS. A new 27,591-square meter concrete parking apron was recently completed	Defenses. Overall security at Roberts International	
Description. The 3,332- by 45-meter asphalt runway is capable of supporting C-130, C-141, and C-5 operations. An intersecting runway is abandoned. The airport is equipped with a control tower, approach	Airways flies four times per week into Roberts. Aeroflot flew TU-154s into the airport prior to the Soviet airline's expulsion from the country in July 1985.	25)
Decembration The 2 222 has 45 mass	The USAF completed an upgrading of the facilities in 1984 to rectify these defects. Pan American World	
American World Airways operates and maintains the field under contract to the Liberian Government.	ing, and storage facilities hampered its usefulness.	
contingency access for the United States to the rest of the continent and the South Atlantic Ocean. Pan	Roberts International Field "during a national emergency." The United States used the airfield during	
		25 X 1

n, instead of around, the field,
er is patrolled randomly and
unmanned entry points
nown antiaircraft weapons in

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28 : CIA-RDP88T00768R000300360001-4

Reverse Blank 107 Secret

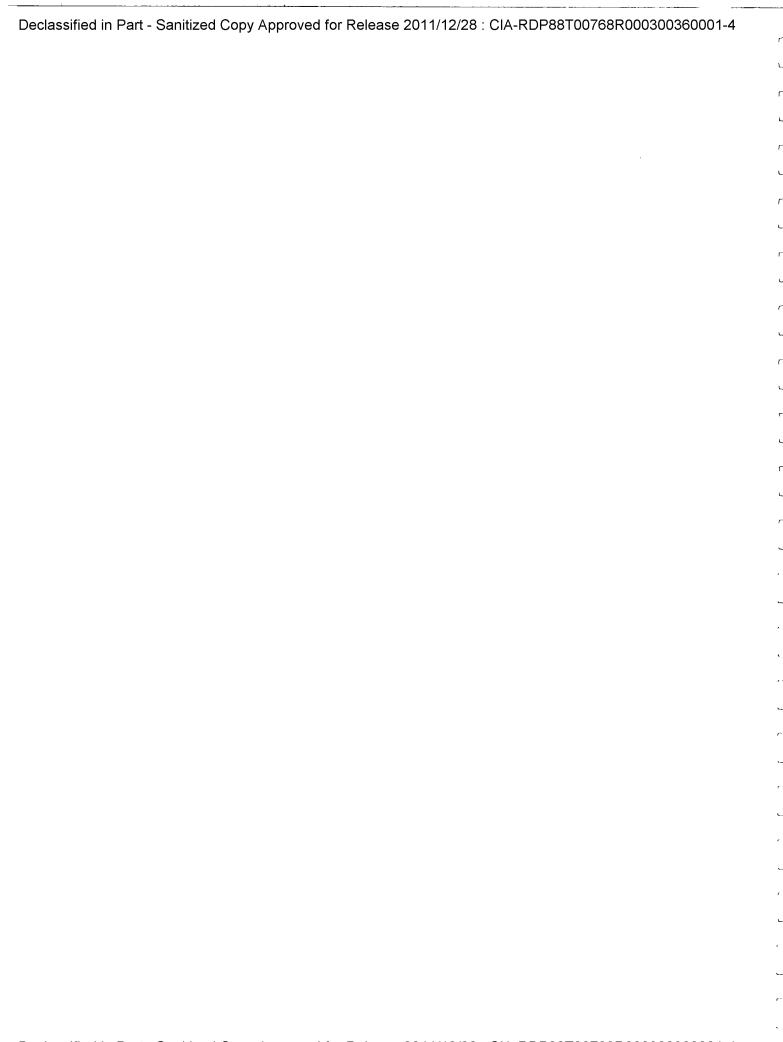


Figure 74

Congo

Overview

Shortly after independence from France in 1960, Congo turned sharply to the left and established close ties to the Soviet Union. In the late 1970s, however, growing economic problems and irritation at the lack of Soviet development aid caused Brazzaville to look for more assistance from the West, particularly France. The US Embassy reports that President Denis Sassou-Nguesso continues efforts to attract more Western economic aid and investment needed both to help weather the current recession and for future oil exploration and development. Brazzaville's pragmatism, in our judgment, is motivated by its belief that increased Western investment and aid are critical to economic development and disappointment with the quality of Moscow's military assistance program. The US Embassy reports that, since 1981, France alone has accounted for slightly more than half of Congo's total annual imports, and Congo has become the third-largest US trading partner in black Africa.

Nonetheless, Sassou's commitment to Third World ideology, the importance of Marxist political controls to ensuring domestic stability, fears of fostering serious opposition from leftists, and the need to maintain access to Soviet arms work against any fundamental shift to a Western political orientation or alignment. In our view, Western reluctance to provide major military hardware and to offer terms competitive with the USSR leaves Brazzaville little choice but to preserve ties to Moscow and access to Soviet arms, a critical element in ensuring Army support for Sassou's government. We believe Congo's importance would increase significantly, however, if the Soviets lost access to Luanda, in Angola. In such a case, we would expect Moscow to expend substantially more resources to encourage the emergence of a more radical regime in Brazzaville in hopes of gaining military access, particularly if no alternative were available elsewhere in the region.

Pointe-Noire Port (04°47′ S. 11°50′ E.,

Description. Pointe-Noire is the only port serving Congo and is a major transshipment point for goods

Selected Port and Airfield in Congo BANGUI YAOUNDĖ C.A.R. **CAMEROON** EQUAT GUINEA **GABON** ZAIRE BRAZZAVILLE KINSHASA South Atlantic Ocean ANGOL A Port Airfield Railroad 100 Statute Miles 706544 (A05785) 6-86

destined for the Central African Republic, eastern Gabon, and southern Chad. The port also serves as the primary maritime point of entry for military supplies for the entire region.

Pointe-Noire is located near the southern border of the country in an improved natural harbor. The port consists of a breakwater-protected harbor with a water area of approximately 100 hectares with depths of 4.6 to 13.0 meters. The tidal range is 1.6 meters.

25X1 25X1

25X1

25X1

25X1

25X1

Secret		
		ı
The approach to the port is from the northwest and is free and clear. Vessels enter the port directly from the	wharf with depths of 2.4 to 4.6 meters used by fishing vessels and a 380-meter-long wharf with depths of 4	
sea through a channel 200 meters wide with a minimum depth of 10 meters. An anchorage area with	meters used by lighters. Total wharfage present in the harbor equals 2,520 meters. Cargo handling equip-	
unlimited space, in depths of 10 to 15 meters over	ment consists of one dry bulk ore loader system, two	
good holding ground of mud and sand, is available	container top-pick carriers, two portal jib cranes,	
2 to 3 kilometers from the entrance to the harbor.	several mobile cranes, and numerous forklifts. There	
Alongside berths are available at Quay G, Quay D,	are no container cranes at the container berth. Three tugboats are available for towage, each rated at 1,800	
Mole 1, and various other quays within the harbor. Quay G has a tow ore and one container berth with	horsepower.	
depths of 13 meters and a total linear wharfage of 515		
meters. Quay D has five general cargo berths with	Pointe-Noire has approximately 43,500 square meters	
depths of 6.7 to 9.0 meters and total linear wharfage	of covered storage in 13 transit sheds. There are	

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28 : CIA-RDP88T00768R000300360001-4

Secret

	Secret	
		25)
		25
380,442 square meters of open storage available, including 5.1 hectares for manganese ore, 1.5 hectares for containers, 16.1 hectares for timber, and 2.8 hectares for general cargo. The estimated military cargo capacity is 5,300 tons per day. A small ship repair yard has one marine railway with a hauling capacity of 750 tons. The port is cleared by one narrow-gauge, double-track railroad line and one bituminous road.	Patterns of Access. Over 3.2 million tons of general cargo move annually through the port. Despite the repeated refusals by several Congolese leaders, Moscow still hopes to acquire naval base rights at Pointe-Noire and to conclude a mutual defense treaty under which it could intervene at Congo's request. We believe the Soviets seek base rights as a contingency should Moscow lose access to neighboring Angola, where Luanda serves as the primary support site for Moscow's small West African naval patrol and periodic Soviet TU-95 naval reconnaissance flights in the	25
Current development projects include the extension of Mole 1 for the possible construction of a container ro/ro terminal, and a mole between Quay D and Mole 1 for fishing vessels.	South Atlantic. From the Soviet perspective, Congo facilities are also useful to support Cuban military	25)
111	Secret	

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28 : CIA-RDP88T00768R000300360001-4

Secret		
		,
		·
	Activity. In February 1985, two AN-12s, possibly	ſ
who reports that there are normally between	Aeroflot passenger aircraft, and several MIG-21s	i.
500 and 1,000 Cuban troops in Pointe-Noire on leave	were sighted at Brazzaville Airport. The focus of	25V
from Angola.	Soviet attention and activity, however, has shifted to	'25 X
Fuel Storage. An unknown amount of POL storage is	Pointe-Noire Airfield, which is being used to support logistic operations for Cuban units in the Angolan	
available. Bunker fuels are available by pipeline at the	exclave of Cabinda as well as to support routine	٢
POL berth at Mole 1 which has a depth of 9.4 meters	movement of Cubans to and from Angola.	25X
and Quay D.		25 X
D (TI O)	Defenses. Brazzaville/Maya is the headquarters for	r
Defenses. The Congolese Navy has a base at Pointe-	the Congolese Air Force. The tactical capabilities of	
Noire, including one company of naval infantry. Maintenance problems plague all 11 naval ships at	the country's MIG-17 and MIG-21 pilots are considered poor, and the Air Force probably remains inca-	
Pointe-Noire, limiting their effectiveness. Also, there	pable of fighting an air war. Also, ground forces are	٦
s a garrison of unknown size located near the port.	garrisoned in Brazzaville. The Soviets installed 12	
Many Congolese naval officers have been trained in	self-propelled and 24 towed antiaircraft guns at Braz-	_
France, with some now receiving training in China.	zaville Airfield in 1984.	25X
		25 X
Brazzaville/Maya_Airport (04°15′ S. 15°15′ E.,		Ĺ
		25 X 1
Description. Brazzaville/Maya Airport, 375 kilome-		· ·
ers east of Pointe-Noire, is the country's primary		
aternational airfield. It is capable of supporting		
c-130, C-141, and C-5 operations, with a tonnage- er-day offloading rate for each aircraft of 1,870,		
,360, and 1,675, respectively. The asphalt runway		
easures 3,278 by 45 meters. The four concrete		•
prons encompass a parking area of about 80,000		_
quare meters, with the largest measuring 704 by 90		
neters. Air traffic control capabilities include a con- rol tower, approach control, NDB, ILS, and VOR.		ſ
argo handling equipment includes one 10-ton crane,		· ·
wo 7-ton cranes, two conveyor belts, one 6-ton fork-		_
ft, and one 10-ton forklift. Several warehouses and		
torage sheds, including cold storage, are available. A		L.
epair hangar measuring 71 by 66 meters has been		r
ompleted on the civilian side of the airfield. The angar has a central high-bay section that measures		
2 by 49 meters with a height of 17 meters. The		
irport is cleared by a four-lane bituminous road and		~
railroad line from Brazzaville to Pointe-Noire.		25X
ual Stargage The airmont hoosts a total starger		_
<i>Tuel Storage</i> . The airport boasts a total storage apacity for A-1 jet fuel of 1,260 barrels, which can		,
e dispensed by hydrant or truck.		25 X
		207
		•
		<u>.</u>

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28 : CIA-RDP88T00768R000300360001-4

112

Declassified in Part - Sanitized Copy Approved for Release 2011/12/28: CIA-RDP88T00768R000300360001-4 Secret